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 one before and one after the expression you are setting
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=> s 3(2a)untranslated

L1 18948 3(2A) UNTRANSLATED

=> s synthetic optimiz? improv? enhanc? artificial

L2 0 SYNTHETIC OPTIMIZ? IMPROV? ENHANC?
 ARTIVIFICIAL

=> s synthetic optimiz? improv? enhanc? artificial

L3 0 SYNTHETIC OPTIMIZ? IMPROV? ENHANC?
 ARTIFICIAL

=> s synthetic or optimiz? or improv? or enhanc? or artificial

L4 4324296 SYNTHETIC OR OPTIMIZ? OR IMPROV? OR
 ENHANC? OR ARTIFICIAL

=> s l1(s)l4

L5 1254 L1(S) L4

=> s synthetic

L6 769392 SYNTHETIC

=> s l1(s)L6

L7 338 L1(S) L6

=> DUP REM L7

PROCESSING COMPLETED FOR L7

L8 173 DUP REM L7 (165 DUPLICATES REMOVED)

=> S L7 NOT PY>1996

L9 254 L7 NOT PY>1996

=> D TI SO 200-254

L9 ANSWER 200 OF 254 BIOSIS COPYRIGHT 2002
 BIOLOGICAL ABSTRACTS INC.

TI STABILITY OF RNA IN DEVELOPING XENOPUS EMBRYOS
 AND IDENTIFICATION OF A

DESTABILIZING SEQUENCE IN TFIIA MESSENGER RNA.

SO DEVELOPMENT (CAMB), (1988) 102 (4), 837-852.

CODEN: DEVPED. ISSN: 0950-1991.

L9 ANSWER 201 OF 254 BIOSIS COPYRIGHT 2002
 BIOLOGICAL ABSTRACTS INC.

TI CHICKEN CHROMOSOMAL PROTEIN HMG-14 AND HMG-17
 COMPLEMENTARY DNA CLONES

ISOLATION CHARACTERIZATION AND SEQUENCE
 COMPARISON.

SO GENE (AMST), (1988) 63 (2), 287-296.

CODEN: GENED6. ISSN: 0378-1119.

L9 ANSWER 202 OF 254 BIOSIS COPYRIGHT 2002
 BIOLOGICAL ABSTRACTS INC.

TI HUMAN AROMATASE COMPLEMENTARY DNA CLONING
 SOUTHERN BLOT ANALYSIS AND

ASSIGNMENT OF THE GENE TO CHROMOSOME 15.

SO DNA (N Y), (1988) 7 (1), 27-38.

CODEN: DNAADR. ISSN: 0198-0238.

L9 ANSWER 203 OF 254 BIOSIS COPYRIGHT 2002
 BIOLOGICAL ABSTRACTS INC.

TI ISOLATION OF A FULL-LENGTH COMPLEMENTARY DNA
 CODING FOR HUMAN E-1-ALPHA

SUBUNIT OF THE PYRUVATE DEHYDROGENASE
 COMPLEX.

SO J BIOL CHEM, (1988) 263 (4), 1991-1995.

CODEN: JBCHA3. ISSN: 0021-9258.

L9 ANSWER 204 OF 254 BIOSIS COPYRIGHT 2002
 BIOLOGICAL ABSTRACTS INC.

TI ISOLATION AND SEQUENCE DETERMINATION OF
 COMPLEMENTARY DNA CLONES FOR

PORCINE AND HUMAN LIPOAMIDE DEHYDROGENASE
 HOMOLOGY TO OTHER DISULFIDE
 OXIDOREDUCTASES.

SO J BIOL CHEM, (1987) 262 (36), 17313-17318.

CODEN: JBCHA3. ISSN: 0021-9258.

L9 ANSWER 205 OF 254 BIOSIS COPYRIGHT 2002
BIOLOGICAL ABSTRACTS INC.

TI MOLECULAR CLONING AND SEQUENCE OF
COMPLEMENTARY DNA CODING FOR BOVINE
LIPOPROTEIN LIPASE.

SO PROC NATL ACAD SCI U S A, (1987) 84 (13), 4369-4373.
CODEN: PNASA6. ISSN: 0027-8424.

L9 ANSWER 206 OF 254 BIOSIS COPYRIGHT 2002
BIOLOGICAL ABSTRACTS INC.

TI MOLECULAR CLONING AND SEQUENCE ANALYSIS OF
COMPLEMENTARY DNAS ENCODING
PORCINE KIDNEY D AMINO ACID OXIDASE.

SO BIOCHEMISTRY, (1987) 26 (12), 3612-3618.
CODEN: BICHAW. ISSN: 0006-2960.

L9 ANSWER 207 OF 254 BIOSIS COPYRIGHT 2002
BIOLOGICAL ABSTRACTS INC.

TI THYROID HORMONE REGULATES EXPRESSION OF A
TRANSFECTED ALPHA MYOSIN
HEAVY-CHAIN FUSION GENE IN FETAL HEART CELLS.

SO PROC NATL ACAD SCI U S A, (1987) 84 (10), 3122-3126.
CODEN: PNASA6. ISSN: 0027-8424.

L9 ANSWER 208 OF 254 BIOSIS COPYRIGHT 2002
BIOLOGICAL ABSTRACTS INC.

TI EFFECTS OF THYROID HORMONE ON ALPHA ACTIN AND
MYOSIN HEAVY CHAIN GENE
EXPRESSION IN CARDIAC AND SKELETAL MUSCLES OF
THE RAT MEASUREMENT OF
MESSENGER RNA CONTENT USING SYNTHETIC
OLIGONUCLEOTIDE PROBES.

SO CIRC RES, (1986) 59 (2), 194-201.
CODEN: CIRUAL. ISSN: 0009-7330.

L9 ANSWER 209 OF 254 BIOSIS COPYRIGHT 2002
BIOLOGICAL ABSTRACTS INC.

TI CLONING AND CHARACTERIZATION OF HUMAN AND RAT
LIVER COMPLEMENTARY DNA
SPECIES CODING FOR A GAP JUNCTION PROTEIN.

SO J CELL BIOL, (1986) 103 (3), 767-776.
CODEN: JCLBA3. ISSN: 0021-9525.

L9 ANSWER 210 OF 254 BIOSIS COPYRIGHT 2002
BIOLOGICAL ABSTRACTS INC.

TI COMPLETE COMPLEMENTARY DNA SEQUENCE OF
HUMAN PRECERULOPLASMIN.

SO PROC NATL ACAD SCI U S A, (1986) 83 (14), 5086-5090.
CODEN: PNASA6. ISSN: 0027-8424.

L9 ANSWER 211 OF 254 BIOSIS COPYRIGHT 2002
BIOLOGICAL ABSTRACTS INC.

TI MOLECULAR CLONING OF TWO CYSTEINE PROTEINASES
FROM PAW-PAW CARICA-PAPAYA.

SO BIOCHEM J, (1986) 237 (1), 105-110.
CODEN: BIJOAK. ISSN: 0306-3275.

L9 ANSWER 212 OF 254 BIOSIS COPYRIGHT 2002
BIOLOGICAL ABSTRACTS INC.

TI CLONING AND SEQUENCING OF COMPLEMENTARY DNA
OF BOVINE N ACETYLGLUCOSAMINE
BETA-1-4-GALACTOSYLTRANSFERASE.

SO PROC NATL ACAD SCI U S A, (1986) 83 (13), 4720-4724.
CODEN: PNASA6. ISSN: 0027-8424.

L9 ANSWER 213 OF 254 BIOSIS COPYRIGHT 2002
BIOLOGICAL ABSTRACTS INC.

TI STRUCTURE OF RODENT HELIX-DESTABILIZING PROTEIN
REVEALED BY COMPLEMENTARY
DNA CLONING.

SO J BIOL CHEM, (1986) 261 (8), 3536-3543.
CODEN: JBCHA3. ISSN: 0021-9258.

L9 ANSWER 214 OF 254 BIOSIS COPYRIGHT 2002
BIOLOGICAL ABSTRACTS INC.

TI CHARACTERIZATION OF HUMAN BLOOD COAGULATION
FACTOR-XII COMPLEMENTARY DNA

PREDICTION OF THE PRIMARY STRUCTURE OF FACTOR-
XII AND THE TERTIARY
STRUCTURE OF BETA FACTOR-XIIA.

SO J BIOL CHEM, (1985) 260 (25), 13666-13676.
CODEN: JBCHA3. ISSN: 0021-9258.

L9 ANSWER 215 OF 254 BIOSIS COPYRIGHT 2002
BIOLOGICAL ABSTRACTS INC.

TI ANALYSIS OF THYROID HORMONE EFFECTS ON MYOSIN
HEAVY CHAIN GENE EXPRESSION
IN CARDIAC AND SOLEUS MUSCLES USING A NOVEL DOT-
BLOT MESSENGER RNA ASSAY.

SO BIOCHEM BIOPHYS RES COMMUN, (1985) 130 (3), 1161-
1167.
CODEN: BBRC9. ISSN: 0006-291X.

L9 ANSWER 216 OF 254 BIOSIS COPYRIGHT 2002
BIOLOGICAL ABSTRACTS INC.

TI CLONING AND EXPRESSION OF COMPLEMENTARY DNA
FOR SALMON ONCORHYNCHUS-KETA
GROWTH HORMONE IN ESCHERICHIA-COLI.

SO PROC NATL ACAD SCI U S A, (1985) 82 (13), 4306-4310.
CODEN: PNASA6. ISSN: 0027-8424.

L9 ANSWER 217 OF 254 BIOSIS COPYRIGHT 2002
BIOLOGICAL ABSTRACTS INC.

TI STRUCTURE OF THE SUCROSE SYNTHASE EC-2.4.1.13
GENE ON CHROMOSOME 9 OF
ZEA-MAYS.

SO EMBO (EUR MOL BIOL ORGAN) J, (1985) 4 (6), 1373-1380.
CODEN: EMJODG. ISSN: 0261-4189.

L9 ANSWER 218 OF 254 BIOSIS COPYRIGHT 2002
BIOLOGICAL ABSTRACTS INC.

TI HUMAN SERUM AMYLOID A BIOSYNTHESIS AND
POSTSYNTHETIC PROCESSING OF
PRE-SERUM AMYLOID A AND STRUCTURAL VARIANTS
DEFINED BY COMPLEMENTARY DNA.

SO BIOCHEMISTRY, (1985) 24 (12), 2931-2936.
CODEN: BICHAW. ISSN: 0006-2960.

L9 ANSWER 219 OF 254 BIOSIS COPYRIGHT 2002
BIOLOGICAL ABSTRACTS INC.

TI CLONING OF COMPLEMENTARY DNA FOR HUMAN
ALDEHYDE DEHYDROGENASES 1 AND 2
EC-1.2.1.3.

SO PROC NATL ACAD SCI U S A, (1985) 82 (11), 3771-3775.
CODEN: PNASA6. ISSN: 0027-8424.

L9 ANSWER 220 OF 254 BIOSIS COPYRIGHT 2002
BIOLOGICAL ABSTRACTS INC.

TI MOLECULAR CLONING OF A FULL-LENGTH
COMPLEMENTARY DNA FOR HUMAN ALCOHOL
DEHYDROGENASE EC-1.1.1.1.

SO PROC NATL ACAD SCI U S A, (1985) 82 (9), 2703-2707.
CODEN: PNASA6. ISSN: 0027-8424.

L9 ANSWER 221 OF 254 BIOSIS COPYRIGHT 2002
BIOLOGICAL ABSTRACTS INC.

TI CLONING SPECIFIC COMPLETE POLYADENYLATED 3'-
TERMINAL COMPLEMENTARY DNA
SEGMENTS.

SO GENE (AMST), (1985) 33 (2), 191-196.
CODEN: GENED6. ISSN: 0378-1119.

L9 ANSWER 222 OF 254 BIOSIS COPYRIGHT 2002
BIOLOGICAL ABSTRACTS INC.

TI MOLECULAR CLONING OF A BOVINE CATHEPSIN.
SO BIOCHEM J, (1985) 225 (3), 707-712.

CODEN: BIJOAK. ISSN: 0306-3275.

L9 ANSWER 223 OF 254 BIOSIS COPYRIGHT 2002
BIOLOGICAL ABSTRACTS INC.
TI RELAXIN GENE EXPRESSION IN HUMAN OVARIES AND
THE PREDICTED STRUCTURE OF A
HUMAN PREPRORELAXIN BY ANALYSIS OF
COMPLEMENTARY DNA CLONES.
SO EMBO (EUR MOL BIOL ORGAN) J, (1984) 3 (10), 2333-2340.
CODEN: EMJODG. ISSN: 0261-4189.

L9 ANSWER 224 OF 254 BIOSIS COPYRIGHT 2002
BIOLOGICAL ABSTRACTS INC.
TI IDENTIFICATION AND PRIMARY SEQUENCE OF AN
UNSPICED HUMAN UROKINASE
POLYADENYLATED RNA.
SO PROC NATL ACAD SCI U S A, (1984) 81 (15), 4727-4731.
CODEN: PNASA6. ISSN: 0027-8424.

L9 ANSWER 225 OF 254 BIOSIS COPYRIGHT 2002
BIOLOGICAL ABSTRACTS INC.
TI MOLECULAR CLONING AND CHARACTERIZATION OF A
COMPLEMENTARY DNA FOR THE BETA
SUBUNIT OF HUMAN ALCOHOL DEHYDROGENASE EC-
1.1.1.1.
SO PROC NATL ACAD SCI U S A, (1984) 81 (13), 4055-4059.
CODEN: PNASA6. ISSN: 0027-8424.

L9 ANSWER 226 OF 254 BIOSIS COPYRIGHT 2002
BIOLOGICAL ABSTRACTS INC.
TI ISOLATION AND PARTIAL SEQUENCE OF BOVINE
COMPLEMENTARY DNA CLONES FOR THE
HIGH MOBILITY GROUP PROTEIN HMG-1.
SO BIOSCI REP, (1984) 4 (1), 49-58.
CODEN: BRPTDT. ISSN: 0144-8463.

L9 ANSWER 227 OF 254 BIOSIS COPYRIGHT 2002
BIOLOGICAL ABSTRACTS INC.
TI MOLECULAR CLONING OF HUMAN GASTRIN PRECURSOR
COMPLEMENTARY DNA.
SO GENE (AMST), (1983 (RECD 1984)) 26 (1 PART 1), 53-58.
CODEN: GENED6. ISSN: 0378-1119.

L9 ANSWER 228 OF 254 BIOSIS COPYRIGHT 2002
BIOLOGICAL ABSTRACTS INC.
TI USE OF A COMPLEMENT DNA CLONE HUMAN
COMPLEMENT C-4 FOR ANALYSIS OF GENETIC
DEFICIENCY OF COMPLEMENT C-4 IN GUINEA-PIG.
SO PROC NATL ACAD SCI U S A, (1983) 80 (17), 5387-5391.
CODEN: PNASA6. ISSN: 0027-8424.

L9 ANSWER 229 OF 254 BIOSIS COPYRIGHT 2002
BIOLOGICAL ABSTRACTS INC.
TI ISOLATION AND NUCLEOTIDE SEQUENCE OF A PARTIAL
COMPLEMENTARY DNA CLONE FOR
BOVINE OPSIN.
SO BIOCHEM BIOPHYS RES COMMUN, (1983) 116 (2), 563-567.
CODEN: BBRC9. ISSN: 0006-291X.

L9 ANSWER 230 OF 254 BIOSIS COPYRIGHT 2002
BIOLOGICAL ABSTRACTS INC.
TI ISOLATION OF A COMPLEMENTARY DNA CLONE FOR
HUMAN ANTI THROMBIN III.
SO J BIOL CHEM, (1983) 258 (13), 8389-8394.
CODEN: JBCHA3. ISSN: 0021-9258.

L9 ANSWER 231 OF 254 BIOSIS COPYRIGHT 2002
BIOLOGICAL ABSTRACTS INC.
TI MOLECULAR CLONING OF HUMAN GASTRIN
COMPLEMENTARY DNA EVIDENCE FOR
EVOLUTION OF GASTRIN BY GENE DUPLICATION.
SO PROC NATL ACAD SCI U S A, (1983) 80 (10), 2866-2869.
CODEN: PNASA6. ISSN: 0027-8424.

L9 ANSWER 232 OF 254 BIOSIS COPYRIGHT 2002
BIOLOGICAL ABSTRACTS INC.
TI MAMMALIAN PANCREATIC PRE PRO GLUCAGON
CONTAINS 3 GLUCAGON RELATED
PEPTIDES.
SO PROC NATL ACAD SCI U S A, (1983) 80 (18), 5485-5489.
CODEN: PNASA6. ISSN: 0027-8424.

L9 ANSWER 233 OF 254 BIOSIS COPYRIGHT 2002
BIOLOGICAL ABSTRACTS INC.
TI ISOLATION AND CHARACTERIZATION OF
COMPLEMENTARY DNA CLONES FOR HUMAN APO
LIPO PROTEIN A-I.
SO PROC NATL ACAD SCI U S A, (1982) 79 (22), 6861-6865.
CODEN: PNASA6. ISSN: 0027-8424.

L9 ANSWER 234 OF 254 BIOSIS COPYRIGHT 2002
BIOLOGICAL ABSTRACTS INC.
TI ISOLATION OF COMPLEMENTARY DNA CLONES FOR THE
HUMAN COMPLEMENT PROTEIN
FACTOR B A CLASS III MAJOR HISTO COMPATIBILITY
COMPLEX GENE PRODUCT.
SO PROC NATL ACAD SCI U S A, (1982) 79 (18), 5661-5665.
CODEN: PNASA6. ISSN: 0027-8424.

L9 ANSWER 235 OF 254 BIOSIS COPYRIGHT 2002
BIOLOGICAL ABSTRACTS INC.
TI USE OF OLIGO DEOXY NUCLEOTIDE PRIMERS TO
DETERMINE POLY ADENYLIC-ACID
ADJACENT SEQUENCES IN MESSENGER RNA 3' TERMINAL
NONCODING SEQUENCE OF
BOVINE GROWTH HORMONE MESSENGER RNA.
SO BIOCHEMISTRY, (1980) 19 (9), 1737-1743.
CODEN: BICHAW. ISSN: 0006-2960.

L9 ANSWER 236 OF 254 CAPLUS COPYRIGHT 2002 ACS
TI Evidence for translational control elements within the 5'-
untranslated
region of GLUT1 glucose transporter mRNA
SO J. Neurochem. (1996), 67(4), 1335-1343
CODEN: JONRA9; ISSN: 0022-3042

L9 ANSWER 237 OF 254 CAPLUS COPYRIGHT 2002 ACS
TI Integration of foreign sequences into the tobacco plastome via
polyethylene glycol-mediated protoplast transformation
SO Planta (1996), 199(2), 193-201
CODEN: PLANAB; ISSN: 0032-0935

L9 ANSWER 238 OF 254 CAPLUS COPYRIGHT 2002 ACS
TI Temporal regulation of the Xenopus FGF receptor in development:
a
translation inhibitory element in the 3' untranslated region
SO Development (Cambridge, U. K.) (1995), 121(6), 1775-85
CODEN: DEVPED; ISSN: 0950-1991

L9 ANSWER 239 OF 254 CAPLUS COPYRIGHT 2002 ACS
TI Site-directed mutagenesis of the genome of mouse hepatitis virus by
targeted RNA recombination
SO Adv. Exp. Med. Biol. (1993), 342(Coronaviruses), 143-8
CODEN: AEMBAP; ISSN: 0065-2598

L9 ANSWER 240 OF 254 CAPLUS COPYRIGHT 2002 ACS
TI Mapping of the 70 kDa, 34 kDa, and 11 kDa subunit genes of the
human
multimeric single-stranded DNA binding protein (hSSB/RPA) to
chromosome
bands 17p13, 1p35-p36.1, and 7p21-p22
SO Cell Struct. Funct. (1993), 18(4), 221-30
CODEN: CSFUDY; ISSN: 0386-7196

L9 ANSWER 241 OF 254 CAPLUS COPYRIGHT 2002 ACS
TI DST sequences, highly conserved among plant SAUR genes, target
reporter
transcripts for rapid decay in tobacco

SO Plant Cell (1993), 5(6), 701-714
CODEN: PLCEEW; ISSN: 1040-4651

L9 ANSWER 242 OF 254 CAPLUS COPYRIGHT 2002 ACS
TI Protein interactions with a gender-specific gene of Schistosoma
mansoni:
characterization by DNase I footprinting, band shift and UV
crosslinking
SO Mol. Cell. Biochem. (1993), 124(2), 159-68
CODEN: MCBIB8; ISSN: 0300-8177

L9 ANSWER 243 OF 254 CAPLUS COPYRIGHT 2002 ACS
TI Repair and mutagenesis of the genome of a deletion mutant of the
coronavirus mouse hepatitis virus by targeted RNA recombination
SO J. Virol. (1992), 66(4), 1841-8
CODEN: JOVIAM; ISSN: 0022-538X

L9 ANSWER 244 OF 254 CAPLUS COPYRIGHT 2002 ACS
TI Extraction and partial characterization of non-histone nuclear
proteins of
Schistosoma mansoni
SO J. Cell. Biochem. (1992), 49(2), 172-80
CODEN: JCEBD5; ISSN: 0730-2312

L9 ANSWER 245 OF 254 CAPLUS COPYRIGHT 2002 ACS
TI Identification of a cloned sequence activated during multi-stage
carcinogenesis in mouse skin
SO Carcinogenesis (London) (1991), 12(8), 1519-22
CODEN: CRNGDP; ISSN: 0143-3334

L9 ANSWER 246 OF 254 CAPLUS COPYRIGHT 2002 ACS
TI Molecular cloning, characterization, and expression of a human 14-
kDa
lectin
SO J. Biol. Chem. (1989), 264(2), 1310-16
CODEN: JBCHA3; ISSN: 0021-9258

L9 ANSWER 247 OF 254 CAPLUS COPYRIGHT 2002 ACS
TI Structural study of long arm fragments of laminin. Evidence for
repetitive C-terminal sequences in the A-chain, not present in the
B-chains
SO Eur. J. Biochem. (1988), 177(1), 35-45
CODEN: EJBCAL; ISSN: 0014-2956

L9 ANSWER 248 OF 254 CAPLUS COPYRIGHT 2002 ACS
TI Expression of human copper, zinc-superoxide dismutase in
Escherichia coli
SO Yamaguchi Igaku (1987), 36(4), 217-31
CODEN: YIKUAO; ISSN: 0513-1731

L9 ANSWER 249 OF 254 CAPLUS COPYRIGHT 2002 ACS
TI Thyroid hormone regulates expression of a transfected .alpha.-
myosin
heavy-chain fusion gene in fetal heart cells
SO Proc. Natl. Acad. Sci. U. S. A. (1987), 84(10), 3122-6
CODEN: PNASA6; ISSN: 0027-8424

L9 ANSWER 250 OF 254 CAPLUS COPYRIGHT 2002 ACS
TI Effects of thyroid hormone on .alpha.-actin and myosin heavy chain
gene
expression in cardiac and skeletal muscles of the rat: measurement of
mRNA content using synthetic oligonucleotide probes
SO Circ. Res. (1986), 59(2), 194-201
CODEN: CIRUAL; ISSN: 0009-7330

L9 ANSWER 251 OF 254 CAPLUS COPYRIGHT 2002 ACS
TI Cloning and characterization of myosin cDNAs in adult human
skeletal
muscle
SO UCLA Symp. Mol. Cell. Biol., New Ser. (1986), 29(Mol. Biol.
Muscle Dev.),
263-72
CODEN: USMBD6; ISSN: 0735-9543

L9 ANSWER 252 OF 254 CAPLUS COPYRIGHT 2002 ACS
TI Analysis of thyroid hormone effects on myosin heavy chain gene
expression
in cardiac and soleus muscles using a novel dot-blot mRNA assay
SO Biochem. Biophys. Res. Commun. (1985), 130(3), 1161-7
CODEN: BBRC9A; ISSN: 0006-291X

L9 ANSWER 253 OF 254 CAPLUS COPYRIGHT 2002 ACS
TI Isolation and DNA sequence of a full-length cDNA clone for human
X
chromosome-encoded phosphoglycerate kinase
SO Proc. Natl. Acad. Sci. U. S. A. (1983), 80(2), 472-6
CODEN: PNASA6; ISSN: 0027-8424

L9 ANSWER 254 OF 254 CAPLUS COPYRIGHT 2002 ACS
TI Human proinsulin and its analogs and preparation by microbial
polypeptide
expression and conversion to human insulin
SO Eur. Pat. Appl., 46 pp.
CODEN: EPXXDW

=> D HIS

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FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 10:58:36 ON
21 JUL 2002

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 11:01:11 ON
21 JUL 2002

L1 18948 S 3(2A)UNTRANSLATED
L2 0 S SYNTHETIC OPTIMIZ? IMPROV? ENHANC?
ARTIVIFICIAL
L3 0 S SYNTHETIC OPTIMIZ? IMPROV? ENHANC?
ARTIFICIAL
L4 4324296 S SYNTHETIC OR OPTIMIZ? OR IMPROV? OR
ENHANC? OR ARTIFICIAL
L5 1254 S L1(S)L4
L6 769392 S SYNTHETIC
L7 338 S L1(S)L6
L8 173 DUP REM L7 (165 DUPLICATES REMOVED)
L9 254 S L7 NOT PY>1996

=> S PLASMID OR VECTOR OR CONSTRUCT OR
RECOMBINANT
L10 1029695 PLASMID OR VECTOR OR CONSTRUCT OR
RECOMBINANT

=> S L9 AND L10
L11 87 L9 AND L10

=> D TI SO 1-87

L11 ANSWER 1 OF 87 MEDLINE
TI Masking and unmasking maternal mRNA. The role of
polyadenylation,
transcription, splicing, and nuclear history.
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1996 Nov 29) 271
(48) 30804-10.
Journal code: 2985121R. ISSN: 0021-9258.

L11 ANSWER 2 OF 87 MEDLINE
TI Evidence for translational control elements within the 5'-
untranslated
region of GLUT1 glucose transporter mRNA.
SO JOURNAL OF NEUROCHEMISTRY, (1996 Oct) 67 (4) 1335-43.
Journal code: 2985190R. ISSN: 0022-3042.

L11 ANSWER 3 OF 87 MEDLINE
TI Characterization of the distal promoter element of halobacteria in
vivo
using saturation mutagenesis and selection.
SO MOLECULAR MICROBIOLOGY, (1996 Mar) 19 (6) 1265-76.

L11 ANSWER 4 OF 87 MEDLINE

TI Integration of foreign sequences into the tobacco plastome via polyethylene glycol-mediated protoplast transformation.

SO PLANTA, (1996) 199 (2) 193-201.

Journal code: 1250576. ISSN: 0032-0935.

L11 ANSWER 5 OF 87 MEDLINE

TI Differential expression in glioblastoma multiforme and cerebral hemangioblastoma of cytoplasmic proteins that bind two different domains

within the 3'-untranslated region of the human glucose transporter 1 (GLUT1) messenger RNA.

SO JOURNAL OF CLINICAL INVESTIGATION, (1996 Jun 15) 97 (12) 2823-32.

Journal code: 7802877. ISSN: 0021-9738.

L11 ANSWER 6 OF 87 MEDLINE

TI The 3'-untranslated region of membrane exon 2 from the gamma 2a immunoglobulin gene contributes to efficient transcription termination.

SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1995 May 19) 270 (20) 11903-11.

Journal code: 2985121R. ISSN: 0021-9258.

L11 ANSWER 7 OF 87 MEDLINE

TI Transfection of Plasmodium falciparum within human red blood cells.

SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1995 Feb 14) 92 (4) 973-7.

Journal code: 7505876. ISSN: 0027-8424.

L11 ANSWER 8 OF 87 MEDLINE

TI Site-directed mutagenesis of the genome of mouse hepatitis virus by targeted RNA recombination.

SO ADVANCES IN EXPERIMENTAL MEDICINE AND BIOLOGY, (1993) 342 143-8.

Journal code: 0121103. ISSN: 0065-2598.

L11 ANSWER 9 OF 87 MEDLINE

TI Protein interactions with a gender-specific gene of Schistosoma mansoni:

characterization by DNase I footprinting, band shift and UV cross-linking.

SO MOLECULAR AND CELLULAR BIOCHEMISTRY, (1993 Jul 21) 124 (2) 159-68.

Journal code: 0364456. ISSN: 0300-8177.

L11 ANSWER 10 OF 87 MEDLINE

TI Human mitochondrial carbonic anhydrase: cDNA cloning, expression,

subcellular localization, and mapping to chromosome 16.

SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1993 Aug 15) 90 (16) 7623-7.

Journal code: 7505876. ISSN: 0027-8424.

L11 ANSWER 11 OF 87 MEDLINE

TI DST sequences, highly conserved among plant SAUR genes, target reporter

transcripts for rapid decay in tobacco.

SO PLANT CELL, (1993 Jun) 5 (6) 701-14.

Journal code: 9208688. ISSN: 1040-4651.

L11 ANSWER 12 OF 87 MEDLINE

TI Cloning and sequence analysis of salmon growth hormone cDNA.

SO I CHUAN HSUEH PAO. ACTA GENETICA SINICA, (1992) 19 (4) 308-15.

Journal code: 7900784. ISSN: 0379-4172.

L11 ANSWER 13 OF 87 MEDLINE

TI Assaying synthetic ribozymes in plants: high-level expression of a

functional hammerhead structure fails to inhibit target gene activity in

transiently transformed protoplasts.

SO PLANT MOLECULAR BIOLOGY, (1992 Nov) 20 (4) 715-31.

Journal code: 9106343. ISSN: 0167-4412.

L11 ANSWER 14 OF 87 MEDLINE

TI Identification of an estrogen response element in the 3'-flanking region

of the murine c-fos protooncogene.

SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1992 Sep 5) 267 (25) 18047-54.

Journal code: 2985121R. ISSN: 0021-9258.

L11 ANSWER 15 OF 87 MEDLINE

TI Characterization of an associated microfibril protein through recombinant DNA techniques.

SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1992 May 15) 267 (14) 10087-95.

Journal code: 2985121R. ISSN: 0021-9258.

L11 ANSWER 16 OF 87 MEDLINE

TI Repair and mutagenesis of the genome of a deletion mutant of the coronavirus mouse hepatitis virus by targeted RNA recombination.

SO JOURNAL OF VIROLOGY, (1992 Apr) 66 (4) 1841-8.

Journal code: 0113724. ISSN: 0022-538X.

L11 ANSWER 17 OF 87 MEDLINE

TI Synthesis and expression of genes encoding tuna, pigeon, and horse cytochromes c in the yeast Saccharomyces cerevisiae.

SO GENE, (1991 Aug 30) 105 (1) 73-81.

Journal code: 7706761. ISSN: 0378-1119.

L11 ANSWER 18 OF 87 MEDLINE

TI Molecular cloning and sequencing of cDNAs encoding the proteolipid subunit

of the vacuolar H(+)-ATPase from a higher plant.

SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1991 Aug 25) 266 (24) 16078-84.

Journal code: 2985121R. ISSN: 0021-9258.

L11 ANSWER 19 OF 87 MEDLINE

TI Identification of a cloned sequence activated during multi-stage carcinogenesis in mouse skin.

SO CARCINOGENESIS, (1991 Aug) 12 (8) 1519-22.

Journal code: 8008055. ISSN: 0143-3334.

L11 ANSWER 20 OF 87 MEDLINE

TI Cloning and expression in COS-1 cells of a full-length cDNA encoding human

coagulation factor X.

SO GENE, (1991 Mar 15) 99 (2) 291-4.

Journal code: 7706761. ISSN: 0378-1119.

L11 ANSWER 21 OF 87 MEDLINE

TI Structure and expression of cDNA for D-amino acid oxidase active against

cephalosporin C from Fusarium solani.

SO JOURNAL OF BIOCHEMISTRY, (1990 Dec) 108 (6) 1063-9.

Journal code: 0376600. ISSN: 0021-924X.

L11 ANSWER 22 OF 87 MEDLINE

TI Poly(A) removal during oocyte maturation: a default reaction selectively

prevented by specific sequences in the 3' UTR of certain maternal mRNAs.

SO GENES AND DEVELOPMENT, (1990 Dec) 4 (12B) 2287-98.

Journal code: 8711660. ISSN: 0890-9369.

L11 ANSWER 23 OF 87 MEDLINE

TI The AU-rich sequences in the 3' untranslated region mediate the increased

turnover of interferon mRNA induced by glucocorticoids.

SO JOURNAL OF EXPERIMENTAL MEDICINE, (1991 Feb 1) 173

(2) 349-55.

Journal code: 2985109R. ISSN: 0022-1007.

L11 ANSWER 24 OF 87 MEDLINE

TI Structure of human milk bile salt activated lipase.

SO BIOCHEMISTRY, (1991 Jan 15) 30 (2) 500-10.

Journal code: 0370623. ISSN: 0006-2960.

L11 ANSWER 25 OF 87 MEDLINE

TI Human alpha-N-acetylgalactosaminidase-molecular cloning, nucleotide

sequence, and expression of a full-length cDNA. Homology with human

alpha-galactosidase A suggests evolution from a common ancestral gene.

SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1990 Dec 15) 265 (35) 21859-66.

Journal code: 2985121R. ISSN: 0021-9258.

L11 ANSWER 26 OF 87 MEDLINE

TI Expression of the amino-terminal half-molecule of human serum transferrin

in cultured cells and characterization of the recombinant protein.

SO BIOCHEMISTRY, (1990 Feb 13) 29 (6) 1654-60.

Journal code: 0370623. ISSN: 0006-2960.

L11 ANSWER 27 OF 87 MEDLINE

TI Complete nucleotide sequence of ovine beta-casein cDNA: inter-species

comparison.

SO BIOCHIMIE, (1989 Jul) 71 (7) 827-32.

Journal code: 1264604. ISSN: 0300-9084.

L11 ANSWER 28 OF 87 MEDLINE

TI Human uroporphyrinogen III synthase: molecular cloning, nucleotide

sequence, and expression of a full-length cDNA.

SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF

AMERICA, (1988 Oct) 85 (19) 7049-53.

Journal code: 7505876. ISSN: 0027-8424.

L11 ANSWER 29 OF 87 MEDLINE

TI Cloning of full-length elastin cDNAs from a human skin fibroblast recombinant cDNA library: further elucidation of alternative

splicing utilizing exon-specific oligonucleotides.

SO JOURNAL OF INVESTIGATIVE DERMATOLOGY, (1988 Nov)

91 (5) 458-64.

Journal code: 0426720. ISSN: 0022-202X.

L11 ANSWER 30 OF 87 MEDLINE

TI Stability of RNA in developing Xenopus embryos and identification of a

destabilizing sequence in TFIID messenger RNA.

SO DEVELOPMENT, (1988 Apr) 102 (4) 837-52.

Journal code: 8701744. ISSN: 0950-1991.

L11 ANSWER 31 OF 87 MEDLINE

TI Comparison of the human and mouse PIM-1 cDNAs: nucleotide sequence and

immunological identification of the in vitro synthesized PIM-1 protein.

SO ONCOGENE RESEARCH, (1987 Jun) 1 (1) 103-12.

Journal code: 8801457. ISSN: 0890-6467.

L11 ANSWER 32 OF 87 MEDLINE

TI Isolation and sequence determination of cDNA clones for porcine and human

lipoamide dehydrogenase. Homology to other disulfide oxidoreductases.

SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1987 Dec 25) 262 (36) 17313-8.

Journal code: 2985121R. ISSN: 0021-9258.

L11 ANSWER 33 OF 87 MEDLINE

TI Thyroid hormone regulates expression of a transfected alpha-myosin heavy-chain fusion gene in fetal heart cells.

SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF

AMERICA, (1987 May) 84 (10) 3122-6.

Journal code: 7505876. ISSN: 0027-8424.

L11 ANSWER 34 OF 87 MEDLINE

TI Effects of thyroid hormone on alpha-actin and myosin heavy chain gene

expression in cardiac and skeletal muscles of the rat: measurement of mRNA

content using synthetic oligonucleotide probes.

SO CIRCULATION RESEARCH, (1986 Aug) 59 (2) 194-201.

Journal code: 0047103. ISSN: 0009-7330.

L11 ANSWER 35 OF 87 MEDLINE

TI Cloning and sequencing of cDNA of bovine N-acetylglucosamine (beta

1-4)galactosyltransferase.

SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF

AMERICA, (1986 Jul) 83 (13) 4720-4.

Journal code: 7505876. ISSN: 0027-8424.

L11 ANSWER 36 OF 87 MEDLINE

TI Structure of rodent helix-destabilizing protein revealed by cDNA cloning.

SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1986 Mar 15) 261 (8) 3536-43.

Journal code: 2985121R. ISSN: 0021-9258.

L11 ANSWER 37 OF 87 MEDLINE

TI Molecular cloning of cDNA coding for human preprorenin.

SO GENE, (1985) 36 (1-2) 183-8.

Journal code: 7706761. ISSN: 0378-1119.

L11 ANSWER 38 OF 87 MEDLINE

TI Cloning specific complete polyadenylated 3'-terminal cDNA segments.

SO GENE, (1985) 33 (2) 191-6.

Journal code: 7706761. ISSN: 0378-1119.

L11 ANSWER 39 OF 87 MEDLINE

TI Molecular cloning of a full-length cDNA for human alcohol dehydrogenase.

SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF

AMERICA, (1985 May) 82 (9) 2703-7.

Journal code: 7505876. ISSN: 0027-8424.

L11 ANSWER 40 OF 87 MEDLINE

TI Relaxin gene expression in human ovaries and the predicted structure of a

human preprorelaxin by analysis of cDNA clones.

SO EMBO JOURNAL, (1984 Oct) 3 (10) 2333-9.

Journal code: 8208664. ISSN: 0261-4189.

L11 ANSWER 41 OF 87 MEDLINE

TI Molecular cloning and characterization of a cDNA for the beta subunit of

human alcohol dehydrogenase.

SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF

AMERICA, (1984 Jul) 81 (13) 4055-9.

Journal code: 7505876. ISSN: 0027-8424.

L11 ANSWER 42 OF 87 MEDLINE

TI Isolation and partial sequence of bovine cDNA clones for the high-mobility-group protein (HMG-1).

SO BIOSCIENCE REPORTS, (1984 Jan) 4 (1) 49-57.

Journal code: 8102797. ISSN: 0144-8463.

L11 ANSWER 43 OF 87 MEDLINE

TI Use of a cDNA clone for the fourth component of human complement (C4) for analysis of a genetic deficiency of C4 in guinea pig.

SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1983 Sep) 80 (17) 5387-91.
Journal code: 7505876. ISSN: 0027-8424.

L11 ANSWER 44 OF 87 MEDLINE

TI Molecular cloning of human gastrin cDNA: evidence for evolution of gastrin by gene duplication.

SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1983 May) 80 (10) 2866-9.
Journal code: 7505876. ISSN: 0027-8424.

L11 ANSWER 45 OF 87 MEDLINE

TI Isolation of cDNA clones for the human complement protein factor B, a class III major histocompatibility complex gene product.

SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1982 Sep) 79 (18) 5661-5.
Journal code: 7505876. ISSN: 0027-8424.

L11 ANSWER 46 OF 87 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI Masking and unmasking maternal mRNA. The role of polyadenylation, transcription, splicing, and nuclear history.

SO Journal of Biological Chemistry, (1996) Vol. 271, No. 48, pp. 30804-30810.
ISSN: 0021-9258.

L11 ANSWER 47 OF 87 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI Evidence for translational control elements within the 5'-untranslated region of GLUT1 glucose transporter mRNA.

SO Journal of Neurochemistry, (1996) Vol. 67, No. 4, pp. 1335-1343.
ISSN: 0022-3042.

L11 ANSWER 48 OF 87 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI Differential expression in glioblastoma multiforme and cerebral hemangioblastoma of cytoplasmic proteins that bind two different domains within the 3'-untranslated region of the human glucose transporter 1 (GLUT1) messenger RNA.

SO Journal of Clinical Investigation, (1996) Vol. 97, No. 12, pp. 2823-2832.
ISSN: 0021-9738.

L11 ANSWER 49 OF 87 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI Integration of foreign sequences into the tobacco plastome via polyethylene glycol-mediated protoplast transformation.

SO Planta (Heidelberg), (1996) Vol. 199, No. 2, pp. 193-201.
ISSN: 0032-0935.

L11 ANSWER 50 OF 87 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI Transfection of Plasmodium falciparum within human red blood cells.

SO Proceedings of the National Academy of Sciences of the United States of America, (1995) Vol. 92, No. 4, pp. 973-977.
ISSN: 0027-8424.

L11 ANSWER 51 OF 87 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI DST sequences, highly conserved among plant SAUR genes, target reporter

transcripts for rapid decay in tobacco.

SO Plant Cell, (1993) Vol. 5, No. 6, pp. 701-714.
ISSN: 1040-4651.

L11 ANSWER 52 OF 87 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI Assaying synthetic ribozymes in plants: High-level expression of a functional hammerhead structure fails to inhibit target gene activity in transiently transformed protoplasts.

SO Plant Molecular Biology, (1992) Vol. 20, No. 4, pp. 715-731.
ISSN: 0167-4412.

L11 ANSWER 53 OF 87 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI Cloning and sequence analysis of salmon growth hormone cDNA.

SO Acta Genetica Sinica, (1992) Vol. 19, No. 4, pp. 308-315.
ISSN: 0379-4172.

L11 ANSWER 54 OF 87 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI IDENTIFICATION OF AN ESTROGEN RESPONSE ELEMENT IN THE 3'-FLANKING REGION OF THE MURINE C-FOS PROTOONCOGENE.

SO J BIOL CHEM, (1992) 267 (25), 18047-18054.
CODEN: JBCHA3. ISSN: 0021-9258.

L11 ANSWER 55 OF 87 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI CHARACTERIZATION OF AN ASSOCIATED MICROFIBRIL PROTEIN THROUGH RECOMBINANT DNA TECHNIQUES.

SO J BIOL CHEM, (1992) 267 (14), 10087-10095.
CODEN: JBCHA3. ISSN: 0021-9258.

L11 ANSWER 56 OF 87 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI REPAIR AND MUTAGENESIS OF THE GENOME OF A DELETION MUTANT OF THE CORONAVIRUS MOUSE HEPATITIS VIRUS BY TARGETED RNA RECOMBINATION.

SO J VIROL, (1992) 66 (4), 1841-1848.
CODEN: JOVIAM. ISSN: 0022-538X.

L11 ANSWER 57 OF 87 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI SYNTHESIS AND EXPRESSION OF GENES ENCODING TUNA PIGEON AND HORSE CYTOCHROMES C IN THE YEAST SACCHAROMYCES-CEREVISIAE.

SO GENE (AMST), (1991) 105 (1), 73-82.
CODEN: GENED6. ISSN: 0378-1119.

L11 ANSWER 58 OF 87 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI IDENTIFICATION OF A CLONED SEQUENCE ACTIVATED DURING MULTI-STAGE CARCINOGENESIS IN MOUSE SKIN.

SO CARCINOGENESIS (EYNSHAM), (1991) 12 (8), 1519-1522.
CODEN: CRNGDP. ISSN: 0143-3334.

L11 ANSWER 59 OF 87 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI CLONING AND EXPRESSION OF COS-1 CELLS OF A FULL-LENGTH COMPLEMENTARY DNA ENCODING HUMAN COAGULATION FACTOR X.

SO GENE (AMST), (1991) 99 (2), 291-294.
CODEN: GENED6. ISSN: 0378-1119.

L11 ANSWER 60 OF 87 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI THE AU-RICH SEQUENCES IN THE 3' UNTRANSLATED

REGION MEDIATE THE INCREASED

TURNOVER OF INTERFERON MESSENGER RNA INDUCED
BY GLUCOCORTICOIDS.

SO J EXP MED, (1991) 173 (2), 349-356.

CODEN: JEMEA V. ISSN: 0022-1007.

L11 ANSWER 61 OF 87 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.

TI STRUCTURE OF HUMAN MILK BILE SALT ACTIVATED
LIPASE.

SO BIOCHEMISTRY, (1991) 30 (2), 500-510.

CODEN: BICHAW. ISSN: 0006-2960.

L11 ANSWER 62 OF 87 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.

TI STRUCTURE AND EXPRESSION OF COMPLEMENTARY
DNA FOR D AMINO ACID OXIDASE

ACTIVE AGAINST CEPHALOSPORIN C FROM FUSARIUM-
SOLANI.

SO J BIOCHEM (TOKYO), (1990) 108 (6), 1063-1069.

CODEN: JOBIAO. ISSN: 0021-924X.

L11 ANSWER 63 OF 87 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.

TI HUMAN ALPHA-N ACETYL GALACTOSAMINIDASE
MOLECULAR CLONING NUCLEOTIDE

SEQUENCE AND EXPRESSION OF A FULL-LENGTH
COMPLEMENTARY DNA HOMOLOGY WITH

HUMAN ALPHA GALACTOSIDASE A SUGGESTS

EVOLUTION FROM A COMMON ANCESTRAL
GENE.

SO J BIOL CHEM, (1990) 265 (35), 21859-21866.

CODEN: JBCHA3. ISSN: 0021-9258.

L11 ANSWER 64 OF 87 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.

TI EXPRESSION OF THE AMINO-TERMINAL HALF-MOLECULE
OF HUMAN SERUM TRANSFERRIN

IN CULTURED CELLS AND CHARACTERIZATION OF THE
RECOMBINANT
PROTEIN.

SO BIOCHEMISTRY, (1990) 29 (6), 1654-1660.

CODEN: BICHAW. ISSN: 0006-2960.

L11 ANSWER 65 OF 87 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.

TI COMPLETE NUCLEOTIDE SEQUENCE OF OVINE BETA
CASEIN COMPLEMENTARY DNA

INTER-SPECIES COMPARISON.

SO BIOCHIMIE (PARIS), (1989) 71 (7), 827-832.

CODEN: BICMBE. ISSN: 0300-9084.

L11 ANSWER 66 OF 87 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.

TI CLONING OF FULL-LENGTH ELASTIN COMPLEMENTARY
DNAS FROM A HUMAN SKIN

FIBROBLASTS RECOMBINANT COMPLEMENTARY DNA
LIBRARY FURTHER

ELUCIDATION OF ALTERNATIVE SPLICING UTILIZING
EXON SPECIFIC

OLIGONUCLEOTIDES.

SO J INVEST DERMATOL, (1988) 91 (5), 458-464.

CODEN: JIDEAE. ISSN: 0022-202X.

L11 ANSWER 67 OF 87 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.

TI HUMAN UROPORPHYRINOGEN III SYNTHASE

MOLECULAR CLONING NUCLEOTIDE SEQUENCE

AND EXPRESSION OF A FULL-LENGTH COMPLEMENTARY
DNA.

SO PROC NATL ACAD SCI U S A, (1988) 85 (19), 7049-7053.

CODEN: PNASA6. ISSN: 0027-8424.

L11 ANSWER 68 OF 87 BIOSIS COPYRIGHT 2002 BIOLOGICAL

ABSTRACTS INC.

TI STABILITY OF RNA IN DEVELOPING XENOPUS EMBRYOS
AND IDENTIFICATION OF A

DESTABILIZING SEQUENCE IN TFIIB MESSENGER RNA.

SO DEVELOPMENT (CAMB), (1988) 102 (4), 837-852.

CODEN: DEVPED. ISSN: 0950-1991.

L11 ANSWER 69 OF 87 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.

TI ISOLATION AND SEQUENCE DETERMINATION OF
COMPLEMENTARY DNA CLONES FOR

PORCINE AND HUMAN LIPOAMIDE DEHYDROGENASE

HOMOLOGY TO OTHER DISULFIDE

OXIDOREDUCTASES.

SO J BIOL CHEM, (1987) 262 (36), 17313-17318.

CODEN: JBCHA3. ISSN: 0021-9258.

L11 ANSWER 70 OF 87 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.

TI THYROID HORMONE REGULATES EXPRESSION OF A
TRANSFECTED ALPHA MYOSIN

HEAVY-CHAIN FUSION GENE IN FETAL HEART CELLS.

SO PROC NATL ACAD SCI U S A, (1987) 84 (10), 3122-3126.

CODEN: PNASA6. ISSN: 0027-8424.

L11 ANSWER 71 OF 87 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.

TI CLONING AND SEQUENCING OF COMPLEMENTARY DNA
OF BOVINE N ACETYLGLUCOSAMINE

BETA-1-4-GALACTOSYLTRANSFERASE.

SO PROC NATL ACAD SCI U S A, (1986) 83 (13), 4720-4724.

CODEN: PNASA6. ISSN: 0027-8424.

L11 ANSWER 72 OF 87 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.

TI STRUCTURE OF RODENT HELIX-DESTABILIZING PROTEIN
REVEALED BY COMPLEMENTARY

DNA CLONING.

SO J BIOL CHEM, (1986) 261 (8), 3536-3543.

CODEN: JBCHA3. ISSN: 0021-9258.

L11 ANSWER 73 OF 87 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.

TI CLONING AND EXPRESSION OF COMPLEMENTARY DNA
FOR SALMON ONCORHYNCHUS-KETA

GROWTH HORMONE IN ESCHERICHIA-COLI.

SO PROC NATL ACAD SCI U S A, (1985) 82 (13), 4306-4310.

CODEN: PNASA6. ISSN: 0027-8424.

L11 ANSWER 74 OF 87 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.

TI MOLECULAR CLONING OF A FULL-LENGTH
COMPLEMENTARY DNA FOR HUMAN ALCOHOL

DEHYDROGENASE EC-1.1.1.1.

SO PROC NATL ACAD SCI U S A, (1985) 82 (9), 2703-2707.

CODEN: PNASA6. ISSN: 0027-8424.

L11 ANSWER 75 OF 87 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.

TI CLONING SPECIFIC COMPLETE POLYADENYLATED 3'-
TERMINAL COMPLEMENTARY DNA

SEGMENTS.

SO GENE (AMST), (1985) 33 (2), 191-196.

CODEN: GENED6. ISSN: 0378-1119.

L11 ANSWER 76 OF 87 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.

TI RELAXIN GENE EXPRESSION IN HUMAN OVARIES AND
THE PREDICTED STRUCTURE OF A

HUMAN PREPRORELAXIN BY ANALYSIS OF

COMPLEMENTARY DNA CLONES.

SO EMBO (EUR MOL BIOL ORGAN) J, (1984) 3 (10), 2333-2340.

CODEN: EMJODG. ISSN: 0261-4189.

L11 ANSWER 77 OF 87 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 TI MOLECULAR CLONING AND CHARACTERIZATION OF A COMPLEMENTARY DNA FOR THE BETA SUBUNIT OF HUMAN ALCOHOL DEHYDROGENASE EC-1.1.1.1.
 SO PROC NATL ACAD SCI U S A, (1984) 81 (13), 4055-4059.
 CODEN: PNASA6. ISSN: 0027-8424.

L11 ANSWER 78 OF 87 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 TI MOLECULAR CLONING OF HUMAN GASTRIN COMPLEMENTARY DNA EVIDENCE FOR EVOLUTION OF GASTRIN BY GENE DUPLICATION.
 SO PROC NATL ACAD SCI U S A, (1983) 80 (10), 2866-2869.
 CODEN: PNASA6. ISSN: 0027-8424.

L11 ANSWER 79 OF 87 CAPLUS COPYRIGHT 2002 ACS
 TI Evidence for translational control elements within the 5'-untranslated region of GLUT1 glucose transporter mRNA
 SO J. Neurochem. (1996), 67(4), 1335-1343
 CODEN: JONRA9; ISSN: 0022-3042

L11 ANSWER 80 OF 87 CAPLUS COPYRIGHT 2002 ACS
 TI Integration of foreign sequences into the tobacco plastome via polyethylene glycol-mediated protoplast transformation
 SO Planta (1996), 199(2), 193-201
 CODEN: PLANAB; ISSN: 0032-0935

L11 ANSWER 81 OF 87 CAPLUS COPYRIGHT 2002 ACS
 TI Site-directed mutagenesis of the genome of mouse hepatitis virus by targeted RNA recombination
 SO Adv. Exp. Med. Biol. (1993), 342(Coronaviruses), 143-8
 CODEN: AEMBAP; ISSN: 0065-2598

L11 ANSWER 82 OF 87 CAPLUS COPYRIGHT 2002 ACS
 TI DST sequences, highly conserved among plant SAUR genes, target reporter transcripts for rapid decay in tobacco
 SO Plant Cell (1993), 5(6), 701-714
 CODEN: PLCEEW; ISSN: 1040-4651

L11 ANSWER 83 OF 87 CAPLUS COPYRIGHT 2002 ACS
 TI Repair and mutagenesis of the genome of a deletion mutant of the coronavirus mouse hepatitis virus by targeted RNA recombination
 SO J. Virol. (1992), 66(4), 1841-8
 CODEN: JOVIAM; ISSN: 0022-538X

L11 ANSWER 84 OF 87 CAPLUS COPYRIGHT 2002 ACS
 TI Identification of a cloned sequence activated during multi-stage carcinogenesis in mouse skin
 SO Carcinogenesis (London) (1991), 12(8), 1519-22
 CODEN: CRNGDP; ISSN: 0143-3334

L11 ANSWER 85 OF 87 CAPLUS COPYRIGHT 2002 ACS
 TI Expression of human copper, zinc-superoxide dismutase in Escherichia coli
 SO Yamaguchi Igaku (1987), 36(4), 217-31
 CODEN: YIKUAO; ISSN: 0513-1731

L11 ANSWER 86 OF 87 CAPLUS COPYRIGHT 2002 ACS
 TI Thyroid hormone regulates expression of a transfected .alpha.-myosin heavy-chain fusion gene in fetal heart cells
 SO Proc. Natl. Acad. Sci. U. S. A. (1987), 84(10), 3122-6
 CODEN: PNASA6; ISSN: 0027-8424

L11 ANSWER 87 OF 87 CAPLUS COPYRIGHT 2002 ACS
 TI Human proinsulin and its analogs and preparation by microbial polypeptide expression and conversion to human insulin
 SO Eur. Pat. Appl., 46 pp.
 CODEN: EPXXDW

=> D HIS

(FILE 'HOME' ENTERED AT 10:58:20 ON 21 JUL 2002)

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 10:58:36 ON 21 JUL 2002

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 11:01:11 ON 21 JUL 2002

L1 18948 S 3(2A)UNTRANSLATED
 L2 0 S SYNTHETIC OPTIMIZ? IMPROV? ENHANC? ARTIVIFICIAL
 L3 0 S SYNTHETIC OPTIMIZ? IMPROV? ENHANC? ARTIFICIAL
 L4 4324296 S SYNTHETIC OR OPTIMIZ? OR IMPROV? OR ENHANC? OR ARTIFICIAL
 L5 1254 S L1(S)L4
 L6 769392 S SYNTHETIC
 L7 338 S L1(S)L6
 L8 173 DUP REM L7 (165 DUPLICATES REMOVED)
 L9 254 S L7 NOT PY>1996
 L10 1029695 S PLASMID OR VECTOR OR CONSTRUCT OR RECOMBINANT
 L11 87 S L9 AND L10

=> S OPTIMAL OR OPTIMIZE OR CONSENSUS OR IMPROVED
 L12 1360872 OPTIMAL OR OPTIMIZE OR CONSENSUS OR IMPROVED

=> S L1(S)L12
 L13 783 L1(S) L12

=> S MAIZE
 L14 80127 MAIZE

=> S L13 AND L14
 L15 3 L13 AND L14

=> DUP REM L15
 PROCESSING COMPLETED FOR L15
 L16 3 DUP REM L15 (0 DUPLICATES REMOVED)

=> D TI SO 1-3

L16 ANSWER 1 OF 3 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 TI Structure, expression and promoter activity of two polyubiquitin genes from rice (Oryza sativa L.
 SO Plant Science (Shannon), (July 28th, 2000) Vol. 156, No. 2, pp. 201-211.
 print.
 ISSN: 0168-9452.

L16 ANSWER 2 OF 3 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 TI Sequence analysis of the genomic RNA 3'-terminal region of a potyvirus from Brachiaria spp. related to guineagrass mosaic virus.
 SO Journal of Phytopathology (Berlin), (1996) Vol. 144, No. 9-10, pp. 485-489.
 ISSN: 0931-1785.

L16 ANSWER 3 OF 3 MEDLINE
 TI The structure of the gene for the large subunit of ribulose 1,5-bisphosphate carboxylase from spinach chloroplast DNA.
 SO NUCLEIC ACIDS RESEARCH, (1981 Jul 24) 9 (14) 3251-70.
 Journal code: 0411011. ISSN: 0305-1048.

=> DUP REM L13
 PROCESSING COMPLETED FOR L13

L17 394 DUP REM L13 (389 DUPLICATES REMOVED)

=> S L17 NOT PY>1996

L18 244 L17 NOT PY>1996

=> D TI SO 200-244

L18 ANSWER 200 OF 244 MEDLINE

TI Identification of a repeated sequence in the genome of the sea urchin which is transcribed by RNA polymerase III and contains the features of a retroposon.

SO NUCLEIC ACIDS RESEARCH, (1988 Feb 25) 16 (4) 1431-52.
Journal code: 0411011. ISSN: 0305-1048.

L18 ANSWER 201 OF 244 MEDLINE

TI The rat vitamin-D-dependent calcium-binding protein (9-kDa CaBP) gene.

Complete nucleotide sequence and structural organization.

SO EUROPEAN JOURNAL OF BIOCHEMISTRY, (1988 Feb 15) 172 (1) 43-51.
Journal code: 0107600. ISSN: 0014-2956.

L18 ANSWER 202 OF 244 MEDLINE

TI Localization and sequence analysis of poly(A) sites generating multiple dihydrofolate reductase mRNAs.

SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1988 Feb 15) 263 (5) 2337-43.
Journal code: 2985121R. ISSN: 0021-9258.

L18 ANSWER 203 OF 244 MEDLINE

TI Putative polyadenylation signals in nuclear genes of higher plants: a compilation and analysis.

SO NUCLEIC ACIDS RESEARCH, (1987 Dec 10) 15 (23) 9627-40.
Journal code: 0411011. ISSN: 0305-1048.

L18 ANSWER 204 OF 244 MEDLINE

TI Nucleotide sequence and expression in Escherichia coli of the gene encoding the nonstructural protein NCVP2 of bovine rotavirus.

SO VIROLOGY, (1987 Nov) 161 (1) 138-44.
Journal code: 0110674. ISSN: 0042-6822.

L18 ANSWER 205 OF 244 MEDLINE

TI Thyroid hormone regulates expression of a transfected alpha-myosin heavy-chain fusion gene in fetal heart cells.

SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1987 May) 84 (10) 3122-6.
Journal code: 7505876. ISSN: 0027-8424.

L18 ANSWER 206 OF 244 MEDLINE

TI The Drosophila melanogaster actin 5C gene uses two transcription initiation sites and three polyadenylation sites to express multiple mRNA species.

SO MOLECULAR AND CELLULAR BIOLOGY, (1986 Jun) 6 (6) 2080-8.
Journal code: 8109087. ISSN: 0270-7306.

L18 ANSWER 207 OF 244 MEDLINE

TI Mouse thymidylate synthase messenger RNA lacks a 3' untranslated region.

SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1986 Nov) 83 (22) 8482-6.
Journal code: 7505876. ISSN: 0027-8424.

L18 ANSWER 208 OF 244 MEDLINE

TI Human delta-aminolevulinic acid dehydratase: nucleotide sequence of a full-length cDNA clone.

SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1986 Oct) 83 (20) 7703-7.

Journal code: 7505876. ISSN: 0027-8424.

L18 ANSWER 209 OF 244 MEDLINE

TI Discrimination among multiple AATAAA sequences correlates with interspecies conservation of select 3' untranslated nucleotides.

SO NUCLEIC ACIDS RESEARCH, (1986 Jun 11) 14 (11) 4499-517.
Journal code: 0411011. ISSN: 0305-1048.

L18 ANSWER 210 OF 244 MEDLINE

TI Structure and sequence of the human c-sis/platelet-derived growth factor 2

(SIS/PDGF2) transcriptional unit.

SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1986 Apr) 83 (8) 2392-6.
Journal code: 7505876. ISSN: 0027-8424.

L18 ANSWER 211 OF 244 MEDLINE

TI Structural analysis of human complement protein H: homology with C4b

binding protein, beta 2-glycoprotein I, and the Ba fragment of B2.

SO JOURNAL OF IMMUNOLOGY, (1986 May 1) 136 (9) 3407-11.
Journal code: 2985117R. ISSN: 0022-1767.

L18 ANSWER 212 OF 244 MEDLINE

TI Identification of a common nucleotide sequence in the 3'-untranslated

region of mRNA molecules specifying inflammatory mediators.

SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1986 Mar) 83 (6) 1670-4.
Journal code: 7505876. ISSN: 0027-8424.

L18 ANSWER 213 OF 244 MEDLINE

TI Nucleotide sequence analysis of the chicken gene c-mil, the progenitor of the retroviral oncogene v-mil.

SO VIROLOGY, (1985 Jun) 143 (2) 359-67.
Journal code: 0110674. ISSN: 0042-6822.

L18 ANSWER 214 OF 244 MEDLINE

TI Structure of the human prealbumin gene.

SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1985 Oct 5) 260 (22) 12224-7.
Journal code: 2985121R. ISSN: 0021-9258.

L18 ANSWER 215 OF 244 MEDLINE

TI Isolation and characterization of the human tissue-type plasminogen activator structural gene including its 5' flanking region.

SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1985 Sep 15) 260 (20) 11223-30.
Journal code: 2985121R. ISSN: 0021-9258.

L18 ANSWER 216 OF 244 MEDLINE

TI Human metallothionein MT-I and MT-II processed genes.

SO GENE, (1984 Nov) 31 (1-3) 135-45.
Journal code: 7706761. ISSN: 0378-1119.

L18 ANSWER 217 OF 244 MEDLINE

TI Yeast regulatory gene PPRI. I. Nucleotide sequence, restriction map and codon usage.

SO JOURNAL OF MOLECULAR BIOLOGY, (1984 Dec 5) 180 (2) 239-50.
Journal code: 2985088R. ISSN: 0022-2836.

L18 ANSWER 218 OF 244 MEDLINE

TI Sequence of human adenosine deaminase cDNA including the coding region and a small intron.

SO NUCLEIC ACIDS RESEARCH, (1984 Mar 12) 12 (5) 2439-46.
Journal code: 0411011. ISSN: 0305-1048.

L18 ANSWER 219 OF 244 MEDLINE

- TI Isolation and characterization of full-length cDNA clones for human alpha-, beta-, and gamma-actin mRNAs: skeletal but not cytoplasmic actins
have an amino-terminal cysteine that is subsequently removed.
SO MOLECULAR AND CELLULAR BIOLOGY, (1983 May) 3 (5) 787-95.
Journal code: 8109087. ISSN: 0270-7306.
- L18 ANSWER 220 OF 244 MEDLINE
TI Nucleotide and deduced amino acid sequences of Torpedo californica acetylcholine receptor gamma subunit.
SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1983 Feb) 80 (4) 1111-5.
Journal code: 7505876. ISSN: 0027-8424.
- L18 ANSWER 221 OF 244 MEDLINE
TI The structure of the gene for the large subunit of ribulose 1,5-bisphosphate carboxylase from spinach chloroplast DNA.
SO NUCLEIC ACIDS RESEARCH, (1981 Jul 24) 9 (14) 3251-70.
Journal code: 0411011. ISSN: 0305-1048.
- L18 ANSWER 222 OF 244 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI Sequence analysis of the genomic RNA 3'-terminal region of a potyvirus from Brachiaria spp. related to guineagrass mosaic virus.
SO Journal of Phytopathology (Berlin), (1996) Vol. 144, No. 9-10, pp. 485-489.
ISSN: 0931-1785.
- L18 ANSWER 223 OF 244 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI Hepatitis C virus: Biological and clinical consequences of genetic heterogeneity.
SO Scandinavian Journal of Gastroenterology, (1996) Vol. 31, No. SUPPL. 218, pp. 106-115.
ISSN: 0036-5521.
- L18 ANSWER 224 OF 244 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI An AU-rich element in the 3' untranslated region of the spinach chloroplast petD gene participates in sequence-specific RNA-protein complex formation.
SO Molecular and Cellular Biology, (1995) Vol. 15, No. 4, pp. 2010-2018.
ISSN: 0270-7306.
- L18 ANSWER 225 OF 244 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI Cloning and expression of hydrolase C, a member of the rat carboxylesterase family.
SO Archives of Biochemistry and Biophysics, (1995) Vol. 327, No. 21, pp. 222-234.
ISSN: 0003-9861.
- L18 ANSWER 226 OF 244 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI Analysis of carp alpha-globin genes no. 1 and no. 5 include repetitive palindromic sequence.
SO Fisheries Science (Tokyo), (1994) Vol. 60, No. 4, pp. 399-404.
- L18 ANSWER 227 OF 244 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI Nucleotide sequence of leghemoglobin cDNA from Canavalia lineata.
SO Journal of Plant Biology, (1994) Vol. 37, No. 2, pp. 167-173.
- L18 ANSWER 228 OF 244 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
- TI Analysis of alpha-globin gene family of carp. I. alpha-Globin gene structure of No. 3, No. 6, and No. 7.
SO Nippon Suisan Gakkaishi, (1993) Vol. 59, No. 6, pp. 1077-1083.
ISSN: 0021-5392.
- L18 ANSWER 229 OF 244 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI VARIABILITY OF THE INSULIN GENE IN AMERICAN BLACKS WITH NIDDM ANALYSIS BY SINGLE-STRAND CONFORMATIONAL POLYMORPHISMS.
SO DIABETES, (1992) 41 (6), 742-749.
CODEN: DIAEAZ. ISSN: 0012-1797.
- L18 ANSWER 230 OF 244 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI A TEMPORALLY EXPRESSED GENE FROM SCHWANNIOMYCES-ALLUVIUS AND DETECTION OF HOMOLOGOUS SEQUENCES IN OTHER YEASTS.
SO GENE (AMST), (1989) 73 (1), 131-140.
CODEN: GENED6. ISSN: 0378-1119.
- L18 ANSWER 231 OF 244 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI PRIMARY STRUCTURE OF HUMAN NUCLEAR RIBONUCLEOPROTEIN PARTICLE C PROTEINS CONSERVATION OF SEQUENCE AND DOMAIN STRUCTURES IN HETEROGENEOUS NUCLEAR RNA MESSENGER RNA AND PRE-RIBOSOMAL RNA-BINDING PROTEINS.
SO MOL CELL BIOL, (1987) 7 (5), 1731-1739.
CODEN: MCEBD4. ISSN: 0270-7306.
- L18 ANSWER 232 OF 244 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI NUCLEOTIDE SEQUENCE OF AN ALFALFA MEDICAGO-SATIVA GLUTAMINE SYNTHETASE GENE.
SO MOL GEN GENET, (1986) 203 (2), 221-229.
CODEN: MGGEAE. ISSN: 0026-8925.
- L18 ANSWER 233 OF 244 CAPLUS COPYRIGHT 2002 ACS
TI Identification of cis-acting signals in the giardiavirus (GLV) genome required for expression of firefly luciferase in Giardia lamblia
SO RNA (1996), 2(8), 824-834
CODEN: RNARFU; ISSN: 1355-8382
- L18 ANSWER 234 OF 244 CAPLUS COPYRIGHT 2002 ACS
TI The aspartate aminotransferase-P1 gene from Lupinus angustifolius
SO Plant Physiol. (1994), 105(2), 763-4
CODEN: PLPHAY; ISSN: 0032-0889
- L18 ANSWER 235 OF 244 CAPLUS COPYRIGHT 2002 ACS
TI An Atriplex nummularia cDNA with sequence relatedness to the algal caltractin gene
SO Plant Physiol. (1992), 99(4), 1734-5
CODEN: PLPHAY; ISSN: 0032-0889
- L18 ANSWER 236 OF 244 CAPLUS COPYRIGHT 2002 ACS
TI Cloning and characterization of a cDNA for the cytosolic isozyme of plant pyruvate kinase: the relationship between the plant and non-plant enzyme
SO Plant Mol. Biol. (1990), 15(4), 665-9
CODEN: PMBIDB; ISSN: 0167-4412
- L18 ANSWER 237 OF 244 CAPLUS COPYRIGHT 2002 ACS
TI Nucleotide sequence of rat c-jun protooncogene
SO Nucleic Acids Res. (1990), 18(11), 3400
CODEN: NARHAD; ISSN: 0305-1048
- L18 ANSWER 238 OF 244 CAPLUS COPYRIGHT 2002 ACS
TI cDNA sequence of the human atrial natriuretic peptide clearance receptor

SO Nucleic Acids Res. (1990), 18(11), 3412
CODEN: NARHAD; ISSN: 0305-1048

L18 ANSWER 239 OF 244 CAPLUS COPYRIGHT 2002 ACS
TI Human mitochondrial propionyl-CoA carboxylase: localization of
the
N-terminus of the pro- and mature .alpha. chains in the deduced
primary
sequence of a full-length cDNA

SO Nucleic Acids Res. (1989), 17(11), 4396
CODEN: NARHAD; ISSN: 0305-1048

L18 ANSWER 240 OF 244 CAPLUS COPYRIGHT 2002 ACS
TI Nucleotide sequence of the cDNA from the mouse leukocyte
adhesion protein
CD18

SO Nucleic Acids Res. (1989), 17(13), 5397
CODEN: NARHAD; ISSN: 0305-1048

L18 ANSWER 241 OF 244 CAPLUS COPYRIGHT 2002 ACS
TI Nucleotide sequence of full length human embryonic myosin heavy
chain cDNA
SO Nucleic Acids Res. (1989), 17(9), 3591-2
CODEN: NARHAD; ISSN: 0305-1048

L18 ANSWER 242 OF 244 CAPLUS COPYRIGHT 2002 ACS
TI Distribution of the ATTT sequence in the 3'-untranslated region of
human
and mouse genes
SO Biochem. Soc. Trans. (1988), 16(3), 366
CODEN: BCSTB5; ISSN: 0300-5127

L18 ANSWER 243 OF 244 CAPLUS COPYRIGHT 2002 ACS
TI Isolation and sequence analysis of a cDNA clone encoding the fifth
complement component
SO J. Biol. Chem. (1985), 260(4), 2108-12
CODEN: JBCHA3; ISSN: 0021-9258

L18 ANSWER 244 OF 244 CAPLUS COPYRIGHT 2002 ACS
TI Features revealed by the sequencing of chloroplast genes highlight
the
prokaryote-like nature of these organelles
SO Manipulation Expression Genes Eukaryotes, Proc. Int. Conf., Int.
Congr.
Biochem., 12th (1983), Meeting Date 1982, 247-54. Editor(s):
Nagley,
Phillip. Publisher: Academic, Sydney, Australia.
CODEN: 50OFAG

=> D HIS

(FILE 'HOME' ENTERED AT 10:58:20 ON 21 JUL 2002)

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 10:58:36 ON
21 JUL 2002

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 11:01:11 ON
21 JUL 2002

L1 18948 S 3(2A)UNTRANSLATED
L2 0 S SYNTHETIC OPTIMIZ? IMPROV? ENHANC?
ARTIVIFICIAL
L3 0 S SYNTHETIC OPTIMIZ? IMPROV? ENHANC?
ARTIFICIAL
L4 4324296 S SYNTHETIC OR OPTIMIZ? OR IMPROV? OR
ENHANC? OR ARTIFICIAL
L5 1254 S L1(S)L4
L6 769392 S SYNTHETIC
L7 338 S L1(S)L6
L8 173 DUP REM L7 (165 DUPLICATES REMOVED)
L9 254 S L7 NOT PY>1996
L10 1029695 S PLASMID OR VECTOR OR CONSTRUCT OR
RECOMBINANT
L11 87 S L9 AND L10

L12 1360872 S OPTIMAL OR OPTIMIZE OR CONSENSUS OR
IMPROVED

L13 783 S L1(S)L12

L14 80127 S MAIZE

L15 3 S L13 AND L14

L16 3 DUP REM L15 (0 DUPLICATES REMOVED)

L17 394 DUP REM L13 (389 DUPLICATES REMOVED)

L18 244 S L17 NOT PY>1996

=> S L18 AND L10

L19 63 L18 AND L10

=> D TI SO 1-63

L19 ANSWER 1 OF 63 MEDLINE

TI Analysis of a lysozyme gene from the malaria vector mosquito,
Anopheles gambiae.

SO GENE, (1996 Oct 3) 174 (2) 239-44.
Journal code: 7706761. ISSN: 0378-1119.

L19 ANSWER 2 OF 63 MEDLINE

TI Hepatitis C virus: biological and clinical consequences of genetic
heterogeneity.

SO SCANDINAVIAN JOURNAL OF GASTROENTEROLOGY.
SUPPLEMENT, (1996) 218 106-15.
Ref: 86
Journal code: 0437034. ISSN: 0085-5928.

L19 ANSWER 3 OF 63 MEDLINE

TI DNA elements and protein factors involved in the transcription of
the beta
2-adrenergic receptor gene in rat liver. The negative regulatory role
of
C/EBP alpha.

SO BIOCHEMISTRY, (1996 Oct 8) 35 (40) 13136-46.
Journal code: 0370623. ISSN: 0006-2960.

L19 ANSWER 4 OF 63 MEDLINE

TI Cloning and identification of regulatory sequences of the human
thrombin
receptor gene.

SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1996 Oct 18) 271
(42) 26320-8.
Journal code: 2985121R. ISSN: 0021-9258.

L19 ANSWER 5 OF 63 MEDLINE

TI Characterization of the distal promoter element of halobacteria in
vivo
using saturation mutagenesis and selection.

SO MOLECULAR MICROBIOLOGY, (1996 Mar) 19 (6) 1265-76.
Journal code: 8712028. ISSN: 0950-382X.

L19 ANSWER 6 OF 63 MEDLINE

TI Integration of foreign sequences into the tobacco plastome via
polyethylene glycol-mediated protoplast transformation.

SO PLANTA, (1996) 199 (2) 193-201.
Journal code: 1250576. ISSN: 0032-0935.

L19 ANSWER 7 OF 63 MEDLINE

TI The characterisation of the 5' regulatory region of a temperature-
induced
myosin-heavy-chain gene associated with myotomal muscle growth
in the
carp.

SO EUROPEAN JOURNAL OF BIOCHEMISTRY, (1996 Mar 15)
236 (3) 887-94.
Journal code: 0107600. ISSN: 0014-2956.

L19 ANSWER 8 OF 63 MEDLINE

TI Identification of sequences in c-myc mRNA that regulate its steady-
state
levels.

SO MOLECULAR AND CELLULAR BIOLOGY, (1996 Jul) 16 (7)
3511-22.

Journal code: 8109087. ISSN: 0270-7306.

L19 ANSWER 9 OF 63 MEDLINE

TI Complete nucleotide sequence of the mouse CTLA8 gene.

SO GENE, (1996 Feb 12) 168 (2) 223-5.

Journal code: 7706761. ISSN: 0378-1119.

L19 ANSWER 10 OF 63 MEDLINE

TI The mammary gland as a bioreactor: factors regulating the efficient expression of milk protein-based transgenes.

SO AMERICAN JOURNAL OF CLINICAL NUTRITION, (1996 Apr) 63 (4) 627S-32S. Ref:

53

Journal code: 0376027. ISSN: 0002-9165.

L19 ANSWER 11 OF 63 MEDLINE

TI Secondary structure in the 3' UTR of EGF and the choice of reverse transcriptases affect the detection of message diversity by RT-PCR.

SO BIOTECHNIQUES, (1995 Nov) 19 (5) 806-12, 814-5.

Journal code: 8306785. ISSN: 0736-6205.

L19 ANSWER 12 OF 63 MEDLINE

TI Translational efficiency is regulated by the length of the 3' untranslated region.

SO MOLECULAR AND CELLULAR BIOLOGY, (1996 Jan) 16 (1) 146-56.

Journal code: 8109087. ISSN: 0270-7306.

L19 ANSWER 13 OF 63 MEDLINE

TI Novel location and function of a thyroid hormone response element.

SO EMBO JOURNAL, (1995 Nov 15) 14 (22) 5710-23.

Journal code: 8208664. ISSN: 0261-4189.

L19 ANSWER 14 OF 63 MEDLINE

TI Improved version of a human CD2 minigene based vector for T cell-specific expression in transgenic mice.

SO JOURNAL OF IMMUNOLOGICAL METHODS, (1995 Sep 11) 185 (1) 133-40.

Journal code: 1305440. ISSN: 0022-1759.

L19 ANSWER 15 OF 63 MEDLINE

TI Structure and promoter characterization of the human stromelysin-3 gene.

SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1995 Sep 1) 270 (35) 20337-44.

Journal code: 2985121R. ISSN: 0021-9258.

L19 ANSWER 16 OF 63 MEDLINE

TI Virus-mediated expression of firefly luciferase in the parasitic protozoan

Giardia lamblia.

SO MOLECULAR AND CELLULAR BIOLOGY, (1995 Sep) 15 (9) 4867-72.

Journal code: 8109087. ISSN: 0270-7306.

L19 ANSWER 17 OF 63 MEDLINE

TI [Determination and analysis of the primary structure of a genomic sequence

adjacent to the 3'-end of the human tissue plasminogen activator gene].

Opređenje i analiz prvichnoi struktury genomnoi posledovatel'nosti, privilegiiushchei k 3'-kontsu gena tkanevogo aktivatora plazminogena cheloveka.

SO MOLEKULIARNAIA BIOLOGIJA, (1995 Mar-Apr) 29 (2) 287-93.

Journal code: 0105454. ISSN: 0026-8984.

L19 ANSWER 18 OF 63 MEDLINE

TI Secondary structure model for the last two domains of single-stranded RNA

phage Q beta.

SO JOURNAL OF MOLECULAR BIOLOGY, (1995 Apr 14) 247 (5)

903-17.

Journal code: 2985088R. ISSN: 0022-2836.

L19 ANSWER 19 OF 63 MEDLINE

TI Cloning and expression of hydrolase C, a member of the rat carboxylesterase family.

SO ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS, (1995 Feb 20) 317 (1) 222-34.

Journal code: 0372430. ISSN: 0003-9861.

L19 ANSWER 20 OF 63 MEDLINE

TI Molecular cloning and expression of rabbit heparin cofactor II: a plasma

thrombin inhibitor highly conserved between species.

SO THROMBOSIS AND HAEMOSTASIS, (1994 Jun) 71 (6) 778-82.

Journal code: 7608063. ISSN: 0340-6245.

L19 ANSWER 21 OF 63 MEDLINE

TI Molecular cloning and characterization of murine cyclin E.

SO BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (1994 Jun 15) 201 (2) 994-1000.

Journal code: 0372516. ISSN: 0006-291X.

L19 ANSWER 22 OF 63 MEDLINE

TI A dog growth hormone cDNA codes for a mature protein identical to pig

growth hormone.

SO GENE, (1994 Jun 10) 143 (2) 277-80.

Journal code: 7706761. ISSN: 0378-1119.

L19 ANSWER 23 OF 63 MEDLINE

TI Molecular cloning of the gene encoding the mouse parathyroid hormone/parathyroid hormone-related peptide receptor.

SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF

AMERICA, (1994 May 24) 91 (11) 5051-5.

Journal code: 7505876. ISSN: 0027-8424.

L19 ANSWER 24 OF 63 MEDLINE

TI Expression of functional human retinol-binding protein in Escherichia coli

using a secretion vector.

SO BIOCHEMICAL JOURNAL, (1993 Nov 15) 296 (Pt 1) 209-15.

Journal code: 2984726R. ISSN: 0264-6021.

L19 ANSWER 25 OF 63 MEDLINE

TI Genomic binding-site cloning reveals an estrogen-responsive gene that

encodes a RING finger protein.

SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF

AMERICA, (1993 Dec 1) 90 (23) 11117-21.

Journal code: 7505876. ISSN: 0027-8424.

L19 ANSWER 26 OF 63 MEDLINE

TI Isolation and expression of a rat liver cDNA encoding phosphoglucomutase.

SO GENE, (1993 Nov 15) 133 (2) 261-6.

Journal code: 7706761. ISSN: 0378-1119.

L19 ANSWER 27 OF 63 MEDLINE

TI Characterization of the gene for ADP-ribosylation factor (ARF) 2, a developmentally regulated, selectively expressed member of the ARF family

of approximately 20-kDa guanine nucleotide-binding proteins.

SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1993 Mar 5) 268 (7) 4863-72.

Journal code: 2985121R. ISSN: 0021-9258.

L19 ANSWER 28 OF 63 MEDLINE

TI Identification of an estrogen response element in the 3'-flanking region

of the murine c-fos protooncogene.

SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1992 Sep 5) 267 (25) 18047-54.

Journal code: 2985121R. ISSN: 0021-9258.

L19 ANSWER 29 OF 63 MEDLINE

TI Cloning and expression of the human myeloid cell nuclear differentiation

antigen: regulation by interferon alpha.

SO JOURNAL OF CELLULAR BIOCHEMISTRY, (1992 May) 49 (1) 82-92.

Journal code: 8205768. ISSN: 0730-2312.

L19 ANSWER 30 OF 63 MEDLINE

TI A novel human insulinoma-associated cDNA, IA-1, encodes a protein with

"zinc-finger" DNA-binding motifs.

SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1992 Jul 25) 267 (21) 15252-7.

Journal code: 2985121R. ISSN: 0021-9258.

L19 ANSWER 31 OF 63 MEDLINE

TI Gene and pseudogene of the mouse cation-dependent mannose 6-phosphate

receptor. Genomic organization, expression, and chromosomal localization.

SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1992 Jun 15) 267 (17) 12211-9.

Journal code: 2985121R. ISSN: 0021-9258.

L19 ANSWER 32 OF 63 MEDLINE

TI Efficient synthesis of secreted murine interleukin-2 by *Saccharomyces*

cerevisiae: influence of 3'-untranslated regions and codon usage.

SO GENE, (1992 Feb 15) 111 (2) 207-13.

Journal code: 7706761. ISSN: 0378-1119.

L19 ANSWER 33 OF 63 MEDLINE

TI cDNA clones for mouse parotid proline-rich proteins. mRNA regulation by

isoprenaline and the nucleotide sequence of proline-rich protein cDNA MP5.

SO EUROPEAN JOURNAL OF BIOCHEMISTRY, (1992 Mar 1) 204 (2) 591-7.

Journal code: 0107600. ISSN: 0014-2956.

L19 ANSWER 34 OF 63 MEDLINE

TI High level expression of human tissue-type plasminogen activator gene in

mouse C127 cell.

SO JOURNAL OF BIOTECHNOLOGY, (1991 Aug) 20 (1) 1-16.

Journal code: 8411927. ISSN: 0168-1656.

L19 ANSWER 35 OF 63 MEDLINE

TI Structure and expression of TIS21, a primary response gene induced by

growth factors and tumor promoters.

SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1991 Aug 5) 266 (22) 14511-8.

Journal code: 2985121R. ISSN: 0021-9258.

L19 ANSWER 36 OF 63 MEDLINE

TI Two mutations of the factor IX gene including a donor splice consensus

deletion and a point mutation in a Dutch patient with severe hemophilia B.

SO THROMBOSIS AND HAEMOSTASIS, (1990 Nov 30) 64 (3) 379-84.

Journal code: 7608063. ISSN: 0340-6245.

L19 ANSWER 37 OF 63 MEDLINE

TI Maturation-specific polyadenylation and translational control: diversity

of cytoplasmic polyadenylation elements, influence of poly(A) tail size,

and formation of stable polyadenylation complexes.

SO MOLECULAR AND CELLULAR BIOLOGY, (1990 Nov) 10 (11) 5634-45.

Journal code: 8109087. ISSN: 0270-7306.

L19 ANSWER 38 OF 63 MEDLINE

TI Structure of the mRNA and of the gene coding for the rabbit erythroid

15-lipoxygenase.

SO BIOMEDICA BIOCHIMICA ACTA, (1990) 49 (2-3) S17-24.

Journal code: 8304435. ISSN: 0232-766X.

L19 ANSWER 39 OF 63 MEDLINE

TI An interferon gamma-regulated protein that binds the interferon-inducible

enhancer element of major histocompatibility complex class I genes.

SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1990 May) 87 (10) 3743-7.

Journal code: 7505876. ISSN: 0027-8424.

L19 ANSWER 40 OF 63 MEDLINE

TI Characterization of a *leuA* gene and an ARS element from *Mucor circinelloides*.

SO GENE, (1989 Dec 14) 84 (2) 335-43.

Journal code: 7706761. ISSN: 0378-1119.

L19 ANSWER 41 OF 63 MEDLINE

TI Regulation of human and murine complement: comparison of 5' structural and

functional elements regulating human and murine complement factor B gene

expression.

SO MOLECULAR AND CELLULAR BIOCHEMISTRY, (1989 Aug 15) 89 (1) 1-14.

Journal code: 0364456. ISSN: 0300-8177.

L19 ANSWER 42 OF 63 MEDLINE

TI Differential regulation of soybean chalcone synthase genes in plant defence, symbiosis and upon environmental stimuli.

SO MOLECULAR AND GENERAL GENETICS, (1989 Aug) 218 (2) 315-22.

Journal code: 0125036. ISSN: 0026-8925.

L19 ANSWER 43 OF 63 MEDLINE

TI The complete sequence of the rabbit erythroid cell-specific 15-lipoxygenase mRNA: comparison of the predicted amino acid

sequence of

the erythrocyte lipoxygenase with other lipoxygenases.

SO GENE, (1989 Jun 30) 79 (1) 181-8.

Journal code: 7706761. ISSN: 0378-1119.

L19 ANSWER 44 OF 63 MEDLINE

TI Human desmin-coding gene: complete nucleotide sequence, characterization

and regulation of expression during myogenesis and development.

SO GENE, (1989 May 30) 78 (2) 243-54.

Journal code: 7706761. ISSN: 0378-1119.

L19 ANSWER 45 OF 63 MEDLINE

TI Tilapia prolactin: molecular cloning of two cDNAs and expression in

Escherichia coli.

SO DNA, (1989 May) 8 (4) 261-70.

Journal code: 8302432. ISSN: 0198-0238.

L19 ANSWER 46 OF 63 MEDLINE

TI Cloning and nucleotide sequence of ovine prolactin cDNA.

SO GENE, (1989 Apr 30) 77 (2) 349-59.

Journal code: 7706761. ISSN: 0378-1119.

L19 ANSWER 47 OF 63 MEDLINE

TI Nucleotide sequence of bovine rotavirus gene 1 and expression of the gene

product in baculovirus.
SO VIROLOGY, (1989 Jul) 171 (1) 131-40.
Journal code: 0110674. ISSN: 0042-6822.

L19 ANSWER 48 OF 63 MEDLINE
TI Identification of a translation inhibitory element (TIE) in the 3'
untranslated region of the human interferon-beta mRNA.
SO GENE, (1988 Dec 10) 72 (1-2) 191-200.
Journal code: 7706761. ISSN: 0378-1119.

L19 ANSWER 49 OF 63 MEDLINE
TI Molecular cloning of the cDNA for the human U2 snRNA-specific
A' protein.
SO NUCLEIC ACIDS RESEARCH, (1989 Mar 11) 17 (5) 1893-906.
Journal code: 0411011. ISSN: 0305-1048.

L19 ANSWER 50 OF 63 MEDLINE
TI Differentiation-induced gene expression in 3T3-L1 preadipocytes.
Characterization of a differentially expressed gene encoding stearoyl-
CoA
desaturase.
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1988 Nov 25) 263
(33) 17291-300.
Journal code: 2985121R. ISSN: 0021-9258.

L19 ANSWER 51 OF 63 MEDLINE
TI Molecular structure of the chicken vitamin D-induced calbindin-
D28K gene
reveals eleven exons, six Ca²⁺-binding domains, and numerous
promoter
regulatory elements.
SO MOLECULAR ENDOCRINOLOGY, (1988 Apr) 2 (4) 355-67.
Journal code: 8801431. ISSN: 0888-8809.

L19 ANSWER 52 OF 63 MEDLINE
TI The rat gene encoding neurotensin and neuromedin N. Structure,
tissue-specific expression, and evolution of exon sequences.
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1988 Apr 5) 263
(10) 4963-8.
Journal code: 2985121R. ISSN: 0021-9258.

L19 ANSWER 53 OF 63 MEDLINE
TI Nucleotide sequence and expression in Escherichia coli of the gene
encoding the nonstructural protein NCVp2 of bovine rotavirus.
SO VIROLOGY, (1987 Nov) 161 (1) 138-44.
Journal code: 0110674. ISSN: 0042-6822.

L19 ANSWER 54 OF 63 MEDLINE
TI Thyroid hormone regulates expression of a transfected alpha-myosin
heavy-chain fusion gene in fetal heart cells.
SO PROCEEDINGS OF THE NATIONAL ACADEMY OF
SCIENCES OF THE UNITED STATES OF
AMERICA, (1987 May) 84 (10) 3122-6.
Journal code: 7505876. ISSN: 0027-8424.

L19 ANSWER 55 OF 63 MEDLINE
TI Structural analysis of human complement protein H: homology with
C4b
binding protein, beta 2-glycoprotein I, and the Ba fragment of B2.
SO JOURNAL OF IMMUNOLOGY, (1986 May 1) 136 (9) 3407-11.
Journal code: 2985117R. ISSN: 0022-1767.

L19 ANSWER 56 OF 63 MEDLINE
TI Nucleotide sequence analysis of the chicken gene c-mil, the
progenitor of
the retroviral oncogene v-mil.
SO VIROLOGY, (1985 Jun) 143 (2) 359-67.
Journal code: 0110674. ISSN: 0042-6822.

L19 ANSWER 57 OF 63 MEDLINE
TI Isolation and characterization of the human tissue-type plasminogen
activator structural gene including its 5' flanking region.
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1985 Sep 15) 260
(20) 11223-30.

Journal code: 2985121R. ISSN: 0021-9258.

L19 ANSWER 58 OF 63 MEDLINE
TI Human metallothionein MT-I and MT-II processed genes.
SO GENE, (1984 Nov) 31 (1-3) 135-45.
Journal code: 7706761. ISSN: 0378-1119.

L19 ANSWER 59 OF 63 MEDLINE
TI Isolation and characterization of full-length cDNA clones for human
alpha-, beta-, and gamma-actin mRNAs: skeletal but not cytoplasmic
actins
have an amino-terminal cysteine that is subsequently removed.
SO MOLECULAR AND CELLULAR BIOLOGY, (1983 May) 3 (5)
787-95.
Journal code: 8109087. ISSN: 0270-7306.

L19 ANSWER 60 OF 63 MEDLINE
TI The structure of the gene for the large subunit of ribulose
1,5-bisphosphate carboxylase from spinach chloroplast DNA.
SO NUCLEIC ACIDS RESEARCH, (1981 Jul 24) 9 (14) 3251-70.
Journal code: 0411011. ISSN: 0305-1048.

L19 ANSWER 61 OF 63 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.
TI Hepatitis C virus: Biological and clinical consequences of genetic
heterogeneity.
SO Scandinavian Journal of Gastroenterology, (1996) Vol. 31, No.
SUPPL. 218,
pp. 106-115.
ISSN: 0036-5521.

L19 ANSWER 62 OF 63 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.
TI Cloning and expression of hydrolase C, a member of the rat
carboxylesterase family.
SO Archives of Biochemistry and Biophysics, (1995) Vol. 327, No. 21,
pp.
222-234.
ISSN: 0003-9861.

L19 ANSWER 63 OF 63 CAPLUS COPYRIGHT 2002 ACS
TI Isolation and sequence analysis of a cDNA clone encoding the fifth
complement component
SO J. Biol. Chem. (1985), 260(4), 2108-12
CODEN: JBCHA3; ISSN: 0021-9258

=> D HIS

(FILE 'HOME' ENTERED AT 10:58:20 ON 21 JUL 2002)

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 10:58:36 ON
21 JUL 2002

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 11:01:11 ON
21 JUL 2002

L1 18948 S 3(2A)UNTRANSLATED
L2 0 S SYNTHETIC OPTIMIZ? IMPROV? ENHANC?
ARTIVIFICIAL
L3 0 S SYNTHETIC OPTIMIZ? IMPROV? ENHANC?
ARTIFICIAL
L4 4324296 S SYNTHETIC OR OPTIMIZ? OR IMPROV? OR
ENHANC? OR ARTIFICIAL
L5 1254 S L1(S)L4
L6 769392 S SYNTHETIC
L7 338 S L1(S)L6
L8 173 DUP REM L7 (165 DUPLICATES REMOVED)
L9 254 S L7 NOT PY>1996
L10 1029695 S PLASMID OR VECTOR OR CONSTRUCT OR
RECOMBINANT
L11 87 S L9 AND L10
L12 1360872 S OPTIMAL OR OPTIMIZE OR CONSENSUS OR
IMPROVED
L13 783 S L1(S)L12

L14 80127 S MAIZE
 L15 3 S L13 AND L14
 L16 3 DUP REM L15 (0 DUPLICATES REMOVED)
 L17 394 DUP REM L13 (389 DUPLICATES REMOVED)
 L18 244 S L17 NOT PY>1996
 L19 63 S L18 AND L10

=> S L1 AND L14
 L20 142 L1 AND L14

=> S L10 AND L20
 L21 33 L10 AND L20

=> DUP REM L21
 PROCESSING COMPLETED FOR L21
 L22 21 DUP REM L21 (12 DUPLICATES REMOVED)

=> D TI SO 1-21

L22 ANSWER 1 OF 21 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 TI Regulatory sequences for transgenic plants.
 SO Official Gazette of the United States Patent and Trademark Office Patents,
 (May 7, 2002) Vol. 1258, No. 1, pp. No Pagination.
<http://www.uspto.gov/web/menu/patdata.html>. e-file.
 ISSN: 0098-1133.

L22 ANSWER 2 OF 21 MEDLINE DUPLICATE 1
 TI CPR1: a gene encoding a putative signal peptidase that functions in pathogenicity of *Colletotrichum graminicola* to **maize**.
 SO MOLECULAR PLANT-MICROBE INTERACTIONS, (2002 Feb) 15 (2) 120-8.
 Journal code: 9107902. ISSN: 0894-0282.

L22 ANSWER 3 OF 21 CAPLUS COPYRIGHT 2002 ACS
 TI Use of epitope tags for routine analysis of transgene expression
 SO Transgenic Research (2001), 10(3), 183-192
 CODEN: TRSEES; ISSN: 0962-8819

L22 ANSWER 4 OF 21 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC. DUPLICATE 2
 TI Structure, expression and promoter activity of two polyubiquitin genes from rice (*Oryza sativa* L.
 SO Plant Science (Shannon), (July 28th, 2000) Vol. 156, No. 2, pp. 201-211.
 print.
 ISSN: 0168-9452.

L22 ANSWER 5 OF 21 MEDLINE DUPLICATE 3
 TI The late developmental pattern of Mu transposon excision is conferred by a cauliflower mosaic virus 35S -driven MURA cDNA in transgenic **maize**
 SO PLANT CELL, (2000 Jan) 12 (1) 5-21.
 Journal code: 9208688. ISSN: 1040-4651.

L22 ANSWER 6 OF 21 CAPLUS COPYRIGHT 2002 ACS
 TI Nucleotide sequences encoding **maize** RAD51 recombinases
 SO PCT Int. Appl., 66 pp.
 CODEN: PIXXD2

L22 ANSWER 7 OF 21 CAPLUS COPYRIGHT 2002 ACS
 TI Gene associated with disease resistance in plants
 SO PCT Int. Appl., 40 pp.
 CODEN: PIXXD2

L22 ANSWER 8 OF 21 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 TI The predominant protein on the surface of **maize** pollen is an endoxylanase synthesized by a tapetum mRNA with a long 5' leader.

SO Journal of Biological Chemistry, (Aug. 6, 1999) Vol. 274, No. 32, pp. 22884-22894.
 ISSN: 0021-9258.

L22 ANSWER 9 OF 21 MEDLINE
 TI Sugars modulate an unusual mode of control of the cell-wall invertase gene (Incw1) through its 3' **untranslated** region in a cell suspension culture of **maize**.
 SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1999 Aug 31) 96 (18) 10512-7.
 Journal code: 7505876. ISSN: 0027-8424.

L22 ANSWER 10 OF 21 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 TI A compact gene cluster in *Drosophila*: The unrelated Cs gene is compressed between duplicated amd and Ddc.
 SO Gene (Amsterdam), (April 29, 1999) Vol. 231, No. 1-2, pp. 111-120.
 ISSN: 0378-1119.

L22 ANSWER 11 OF 21 CAPLUS COPYRIGHT 2002 ACS
 TI Regulatory sequences derived from **maize** root preferential cationic peroxidase gene per5 for root-specific gene expression in transgenic plants
 SO PCT Int. Appl., 150 pp.
 CODEN: PIXXD2

L22 ANSWER 12 OF 21 CAPLUS COPYRIGHT 2002 ACS
 TI Viral disease-resistance of plants improved by transformation with potyvirus replicase gene
 SO PCT Int. Appl., 41 pp.
 CODEN: PIXXD2

L22 ANSWER 13 OF 21 CAPLUS COPYRIGHT 2002 ACS
 TI Preparation of transgenic plants resistant to potyvirus
 SO Eur. Pat. Appl., 32 pp.
 CODEN: EPXXDW

L22 ANSWER 14 OF 21 MEDLINE DUPLICATE 4
 TI Cloning and sequence of a cDNA encoding a novel hybrid proline-rich protein associated with cytokinin-induced haustoria formation in *Cuscuta reflexa*.
 SO GENE, (1994 Apr 20) 141 (2) 207-10.
 Journal code: 7706761. ISSN: 0378-1119.

L22 ANSWER 15 OF 21 CAPLUS COPYRIGHT 2002 ACS
 TI Nucleotide sequence of a cDNA for catalase from *Arabidopsis thaliana*
 SO Plant Physiol. (1992), 99(4), 1726-8
 CODEN: PLPHAY; ISSN: 0032-0889

L22 ANSWER 16 OF 21 CAPLUS COPYRIGHT 2002 ACS
 TI Sequence of the cDNA encoding the 17-kilodalton protein of the photosynthetic oxygen-evolving complex of pea
 SO Plant Physiol. (1992), 99(2), 791-3
 CODEN: PLPHAY; ISSN: 0032-0889

L22 ANSWER 17 OF 21 MEDLINE DUPLICATE 5
 TI Intron-mediated enhancement of heterologous gene expression in **maize**.
 SO PLANT MOLECULAR BIOLOGY, (1990 Dec) 15 (6) 913-20.
 Journal code: 9106343. ISSN: 0167-4412.

L22 ANSWER 18 OF 21 CAPLUS COPYRIGHT 2002 ACS
 TI Nucleotide sequence of the cytochrome oxidase subunit I gene from rice mitochondria
 SO Nucleic Acids Res. (1989), 17(18), 7519

CODEN: NARHAD; ISSN: 0305-1048

L22 ANSWER 19 OF 21 MEDLINE DUPLICATE 6
TI Cloning and sequence analysis of cDNA encoding active
phosphoenolpyruvate
carboxylase of the C4-pathway from **maize**.
SO NUCLEIC ACIDS RESEARCH, (1986 Feb 25) 14 (4) 1615-28.
Journal code: 0411011. ISSN: 0305-1048.

L22 ANSWER 20 OF 21 MEDLINE DUPLICATE 7
TI Molecular cloning and DNA sequence of the Arabidopsis thaliana
alcohol
dehydrogenase gene.
SO PROCEEDINGS OF THE NATIONAL ACADEMY OF
SCIENCES OF THE UNITED STATES OF
AMERICA, (1986 Mar) 83 (5) 1408-12.
Journal code: 7505876. ISSN: 0027-8424.

L22 ANSWER 21 OF 21 MEDLINE
TI The structure of the gene for the large subunit of ribulose
1,5-bisphosphate carboxylase from spinach chloroplast DNA.
SO NUCLEIC ACIDS RESEARCH, (1981 Jul 24) 9 (14) 3251-70.
Journal code: 0411011. ISSN: 0305-1048.

=> D IBIB AB 17,13

L22 ANSWER 17 OF 21 MEDLINE DUPLICATE 5
ACCESSION NUMBER: 91355915 MEDLINE
DOCUMENT NUMBER: 91355915 PubMed ID: 2103480
TITLE: Intron-mediated enhancement of heterologous gene
expression
in **maize**.

AUTHOR: Mascarenhas D; Mettler I J; Pierce D A; Lowe H W
CORPORATE SOURCE: Sandoz Crop Protection, Palo Alto, CA
94304-1104.
SOURCE: PLANT MOLECULAR BIOLOGY, (1990 Dec) 15
(6) 913-20.

Journal code: 9106343. ISSN: 0167-4412.

PUB. COUNTRY: Netherlands
Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199110
ENTRY DATE: Entered STN: 19911027
Last Updated on STN: 19980206
Entered Medline: 19911009

AB Chimeric genes containing the coding sequence for bacterial
chloramphenicol acetyl transferase (CAT) have been introduced by
electroporation into **maize** protoplasts (Black Mexican Sweet) and
transient expression monitored by enzyme assays. Levels of CAT
expression
were enhanced 12-fold and 20-fold respectively by the inclusion of
maize alcohol dehydrogenase-1 introns 2 and 6 in the chimeric
construct. This enhancement was seen when the intron was placed
within the 5' translated region but not when it was located upstream
of
the promoter or within the 3' **untranslated** region.
Deletion of exon sequences adjacent to intron 2 abolished its ability
to
mediate enhancement of CAT gene expression. Northern analysis of
protoplasts electroporated with intron **constructs** revealed
elevated levels of CAT mRNA. However, this elevation was
insufficient to
account for the increased enzyme activity. One explanation of these
results is that splicing affects both the quantity and quality of mRNA.

L22 ANSWER 13 OF 21 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1994:210814 CAPLUS
DOCUMENT NUMBER: 120:210814
TITLE: Preparation of transgenic plants resistant to
potyvirus
INVENTOR(S): Jilka, Joseph Maria; Tumer, Nilgun Erenen
PATENT ASSIGNEE(S): Monsanto Co., USA

SOURCE: Eur. Pat. Appl., 32 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 578627	A1	19940112	EP 1993-870129	19930708
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
CA 2100116	AA	19940110	CA 1993-2100116	19930708
US 5503999	A	19960402	US 1995-368260	19950103
US 5986175	A	19991116	US 1995-559221	19951116
PRIORITY APPLN. INFO.:			US 1992-910224	19920709
			US 1993-147416	19931104
			US 1995-368260	19950103

AB A cDNA encoding a potyvirus replicase is isolated and used for
prepn. of

transgenic plants that are resistant to the infection of the same virus.

Plasmid pMON18678 contg. a cDNA for replicase of potato virus Y
driven by the FMV35S promoter was prepd. and used for
transformation of

Russet Burbank potatoes using a triparental mating procedure. Viral
resistance of the transgenic potatoes was also demonstrated.

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ARTIVIFICIAL
L3 0 S SYNTHETIC OPTIMIZ? IMPROV? ENHANC?
ARTIFICIAL
L4 4324296 S SYNTHETIC OR OPTIMIZ? OR IMPROV? OR
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L5 1254 S L1(S)L4
L6 769392 S SYNTHETIC
L7 338 S L1(S)L6
L8 173 DUP REM L7 (165 DUPLICATES REMOVED)
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L10 1029695 S PLASMID OR VECTOR OR CONSTRUCT OR
RECOMBINANT
L11 87 S L9 AND L10
L12 1360872 S OPTIMAL OR OPTIMIZE OR CONSENSUS OR
IMPROVED
L13 783 S L1(S)L12
L14 80127 S MAIZE
L15 3 S L13 AND L14
L16 3 DUP REM L15 (0 DUPLICATES REMOVED)
L17 394 DUP REM L13 (389 DUPLICATES REMOVED)
L18 244 S L17 NOT PY>1996
L19 63 S L18 AND L10
L20 142 S L1 AND L14
L21 33 S L10 AND L20
L22 21 DUP REM L21 (12 DUPLICATES REMOVED)

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